

MAR 21 1988

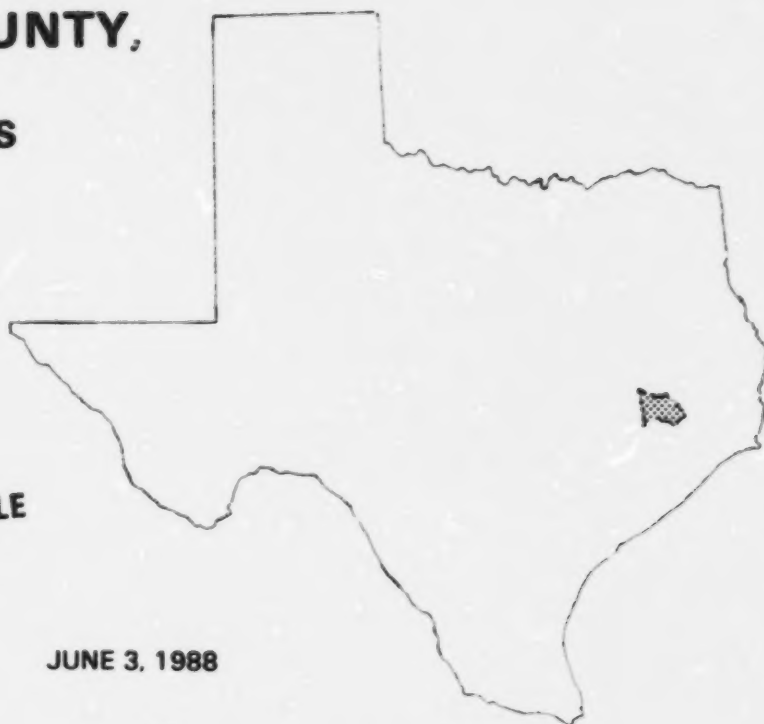
FEM 1.209:480483

FLOOD INSURANCE STUDY



COMPLETED

**MONTGOMERY COUNTY,
TEXAS**
UNINCORPORATED AREAS
Volume 1 of 5 Volumes



BEST COPY AVAILABLE

JUNE 3, 1988



Federal Emergency Management Agency

COMMUNITY NUMBER - 480483

ORIGINAL

**NOTICE TO
FLOOD INSURANCE STUDY USERS**

Communities participating in the National Flood Insurance Program (NFIP) have established repositories of flood hazard data for floodplain management and flood insurance study purposes. This Flood Insurance Study (FIS) may not contain all data available within the repository. It is advisable to contact the community repository for any additional data.

TABLE OF CONTENTS

Table of Contents - Volume 1 - June 3, 1968

	<u>Page</u>
1.0 <u>INTRODUCTION</u>	1
1.1 Purpose of Study	1
1.2 Authority and Acknowledgments	1
1.3 Coordination	2
2.0 <u>AREA STUDIED</u>	2
2.1 Scope of Study	2
2.2 Community Description	4
2.3 Principal Flood Problems	6
2.4 Flood Protection Measures	7
3.0 <u>ENGINEERING METHODS</u>	7
3.1 Hydrologic Analyses	12
3.2 Hydraulic Analyses	35
4.0 <u>FLOODPLAIN MANAGEMENT APPLICATIONS</u>	40
4.1 Flood Boundaries	40
4.2 Floodways	40
5.0 <u>INSURANCE APPLICATIONS</u>	41
5.1 Reach Determinations	128
5.2 Flood Hazard Factors	129
5.3 Flood Insurance Zones	129
5.4 Flood Insurance Rate Map Description	160
6.0 <u>OTHER STUDIES</u>	160

Table of Contents - Volume 1 (continued)

	<u>Page</u>
7.0 <u>LOCATION OF DATA</u>	161
8.0 <u>BIBLIOGRAPHY AND REFERENCES</u>	161

FIGURES

Figure 1 - Vicinity Map	3
Figure 2 - Potential Flood Heights on Stewarts Creek	8
Figure 3 - Potential Flood Heights on Caney Creek	8
Figure 4 - Potential Flood Heights on Duck Creek	9
Figure 5 - Potential Flood Heights on Mill Creek	9
Figure 6 - Potential Flood Heights on Town Creek	10
Figure 7 - Potential Flood Heights on Live Branch	10
Figure 8 - Potential Flood Heights on Little Lake Creek	11
Figure 9 - Potential Flood Heights on Caney Creek North	11
Figure 10 - Floodway Schematic	128

TABLES

Table 1 - Summary of Discharges	13 - 35
Table 2 - Summary of Stillwater Elevations	35
Table 3 - Floodway Data	42 - 127
Table 4 - Flood Insurance Zone Data	130 - 159

EXHIBITS

Exhibit 1 - Flood Profiles	
White Oak Creek	Panels 481P - 491P 164-174
Silverdale Creek	Panels 492P - 493P 175-176
Panther Branch	Panels 494P - 499P 177-182

Table of Contents - Volume 2 - June 3, 1988

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

West Fork of San Jacinto River	Panels 01P - 18P
Woodsons Gully	Panels 19P - 23P
White Oak Creek - West	Panels 24P - 26P
White Oak Creek - West Tributary No. 1	Panel 27P
Crystal Creek	Panels 28P - 43P
Crystal Creek Tributary No. 1	Panels 44P - 46P
West Fork of Crystal Creek	Panels 47P - 50P
Crystal Creek Tributary No. 2	Panel 51P
Crystal Creek Tributary No. 3	Panel 52P
Crystal Creek Tributary No. 4	Panels 53P - 54P
Crystal Creek Tributary No. 5	Panel 55P
Carters Slough	Panels 56P - 58P
Sandy Branch	Panels 59P - 61P
Gleneagles Diversion Ditch	Panel 62P
Little Caney Creek	Panels 63P - 67P
Stewarts Creek	Panels 68P - 73P
Stewarts Creek Tributary No. 1	Panels 79P - 80P
Grand Lake Creek	Panels 81P - 83P
Alligator Creek	Panels 84P - 86P
White Oak Creek - North	Panels 87P - 89P
Egypt Creek	Panels 90P - 91P
Sand Branch	Panel 92P
Base Creek	Panel 93P
Bens Branch	Panels 94P - 97P
Bens Branch Tributary No. 1	Panel 98P
Bens Branch Tributary No. 2	Panel 99P
Caney Creek	Panels 100P - 120P

Table of Contents - Volume 3 - August 1, 1984

Caney Creek Tributary No. 1	Panels 121P - 122P
Dry Creek	Panels 123P - 127P
Spring Branch	Panels 128P - 133P
West Fork of Spring Branch	Panels 134P - 139P
McRae Creek	Panels 140P - 144P
Camp Creek	Panels 145P - 148P
Caney Creek Tributary No. 2	Panels 149P - 150P
Little Caney Creek No. 2	Panels 151P - 152P
Caney Creek Tributary No. 3	Panels 153P - 154P
Peach Creek	Panels 155P - 176P
Peach Creek Tributary No. 1	Panels 177P - 178P
Waterhole Branch	Panel 179P
Gully Branch	Panel 180P
Peach Creek Tributary No. 2	Panel 181P

Table of Contents - Volume 3 (continued)

EXHIBITS - continued

Exhibit 1 - Flood Profiles

Hightower Branch	Panel 182P
Jayhawker Creek	Panels 183P - 184P
Bee Branch	Panels 185P - 186P
Lawrence Creek	Panels 187P - 189P
Duck Creek	Panels 190P - 192P
Peach Creek Tributary No. 3	Panels 193P - 196P
Spring Creek	Panels 197P - 216P
Sam Bell Gully Diversion Channel	Panels 217P - 219P
Tributary to Sam Bell Gully	
Diversion Channel	Panels 220P - 221P
Sam Bell Gully	Panel 222P
Panther Branch	Panel 223P
	Panels 224P - 229P (Void -
	See Volume 1, Panels 494P-
	499P)
Panther Branch Tributary No. 1	Panel 230P
Bear Branch	Panels 231P - 238P
Panther Branch Tributary No. 2	Panels 239P - 241P

Table of Contents - Volume 4 - August 1, 1984

Dry Creek No. 2	Panels 242P - 245P
Dry Creek No. 2 Tributary No. 1	Panels 246P - 248P
Mill Creek	Panels 249P - 257P
Decker Branch	Panels 258P - 263P
Goodson Branch	Panels 264P - 265P
Decker Branch Tributary No. 1	Panels 266P - 267P
Mill Creek Tributary No. 1	Panels 268P - 269P
Mill Creek Tributary No. 2	Panels 270P - 271P
Mill Creek Tributary No. 3	Panel 272P
Mill Creek Tributary No. 4	Panels 273P - 276P
Mill Creek Tributary No. 5	Panels 277P - 281P
Walnut Creek	Panels 282P - 287P
Sulphur Branch	Panels 288P - 294P
Walnut Creek Tributary No. 1	Panels 295P - 296P
Mink Branch	Panels 297P - 300P
Arnold Branch	Panels 301P - 303P
Log Gully	Panels 304P - 307P
Brushy Creek	Panels 308P - 310P
Threemile Creek	Panel 311P
Mills Branch	Panel 312P
East Fork of San Jacinto River	Panels 313P - 315P
Church House Gully	Panel 316P
Orton Gully	Panel 317P

Table of Contents - Volume 4 (continued)

EXHIBITS - continued

Exhibit 1 - Flood Profiles

Live Branch	Panels 318P - 320P
Bell Creek	Panels 321P - 322P
Lewis Creek	Panels 323P - 324P
Weirs Creek	Panels 325P - 327P
Chambers Creek	Panels 328P - 329P
Shepard Branch	Panel 330P
Weirs Creek Tributary No. 1	Panels 331P - 333P
Horstetter Creek	Panels 334P - 335P
Gum Branch	Panels 336P - 337P
Rush Creek	Panels 338P - 339P
Rush Creek Tributary No. 1	Panel 340P
Rush Creek Tributary No. 2	Panel 341P
Martin Creek	Panels 342P - 343P
Stewart Creek North	Panels 344P - 347P
Atkins Creek	Panels 348P - 349P
Town Creek	Panels 350P - 352P
Town Creek Tributary No. 1	Panels 353P - 354P
Town Creek Tributary No. 2	Panel 355P
Carville Creek	Panels 356P - 357P

Table of Contents - Volume 5 - August 1, 1984

Lake Creek	Panels 358P - 380P
Fish Creek	Panels 381P - 385P
Mound Creek	Panels 386P - 392P
Deer Lake Branch	Panel 393P
Mound Creek Tributary No. 1	Panels 394P - 395P
Lake Creek Tributary No. 1	Panel 396P
Lake Creek Tributary No. 2	Panels 397P - 398P
Lake Creek Tributary No. 3	Panels 399P - 404P
Landrum Creek	Panels 405P - 407P
Spring Branch No. 2	Panels 408P - 410P
Lake Creek Tributary No. 4	Panels 411P - 414P
Lake Creek Tributary No. 5	Panels 415P - 417P
Caney Creek No. 2	Panels 418P - 422P
Lake Creek Tributary No. 6	Panels 423P - 425P
Lake Creek Tributary No. 7	Panels 426P - 427P
Little Caney Creek No. 3	Panels 428P - 430P
Kidhaw Branch	Panels 431P - 434P
Little Lake Creek	Panels 435P - 439P
Little Lake Creek Tributary No. 1	Panel 440P
Little Lake Creek Tributary No. 2	Panels 441P - 442P
Little Lake Creek Tributary No. 3	Panels 443P - 444P
Little Lake Creek Tributary No. 4	Panels 445P - 446P
Little Lake Creek Tributary No. 5	Panels 447P - 448P

Table of Contents - Volume 5 (continued)

Pole Creek	Panels 449P - 451P
Sand Branch No. 2	Panels 452P - 454P
Caney Creek North	Panels 455P - 462P
Kelly Branch	Panels 463P - 465P
Green Branch	Panels 466P - 467P
Caney Creek North Tributary No. 1	Panels 468P - 469P
Anthony Branch	Panels 470P - 472P
Caney Creek North Tributary No. 2	Panels 473P - 474P
Caney Creek North Tributary No. 3	Panels 475P - 477P
Bay Branch	Panels 478P - 480P

Exhibit 2 - Flood Insurance Rate Map Index
Flood Insurance Rate Map

FLOOD INSURANCE STUDY
MONTGOMERY COUNTY, TEXAS

1.0 INTRODUCTION

1.1 Purpose of Study

This Flood Insurance Study investigates the existence and severity of flood hazards in the unincorporated areas of Montgomery County, Texas, and aids in the administration of the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973. This study has developed flood risk data for various areas of the community that will be used to establish actuarial flood insurance rates and assist the community in their efforts to promote sound floodplain management. Minimum floodplain management requirements for participation in the National Flood Insurance Program are set forth in the Code of Federal Regulations at 44 CFR, 60.3.

In some states or communities, floodplain management criteria or regulations may exist that are more restrictive or comprehensive than the minimum Federal requirements. In such cases, the more restrictive criteria take precedence and the state (or other jurisdictional agency) will be able to explain them.

1.2 Authority and Acknowledgments

The sources of authority for this Flood Insurance Study are the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973.

The hydrologic and hydraulic analyses in this study represent a revision of the original analyses prepared by the Soil Conservation Service (SCS) for the Federal Emergency Management Agency (FEMA), under Inter-Agency Agreement No. IAA-H-8-77. The work for this study was completed in August 1982.

The first revision included: 1) Revised hydrologic and hydraulic analyses for White Oak Creek and Silverdale Creek, and revised information for Grand Lake Creek, Caney Creek, and Alligator Creek; this work was prepared by the SCS and was completed in August 1984. 2) Updated information for White Oak Creek - West and White Oak Creek - West Tributary No. 1; this work was prepared using the Flood Insurance Study for the City of Chateau Woods, and the work for that study was completed in August 1985. 3) Annexations made by the City of Conroe.

The second revision included: 1) Revised hydrologic and hydraulic analyses for Bens Branch and Bens Branch Tributary No. 2; this work was prepared by Winslow and Associates, Inc., and was completed in November 1986. The backwater reach for Bens Branch Tributary No. 1

was also affected by this revision. 2) A revised hydraulic analysis for a portion of Panther Branch; this work was also prepared by Winslow and Associates, Inc., and was completed in January 1986.

1.3 Coordination

A search for basic data was made at all levels of government. Conferences and meetings between representatives of the SCS (the study contractor) and personnel of the County Judge's staff were held to provide the SCS with information and assistance. Elevations, discharges, and mapping were coordinated with the U. S. Army Corps of Engineers (COE) on several streams that are common to both Montgomery County and Harris County. This coordination was necessary because of the ongoing Flood Insurance Study for the unincorporated areas of Harris County being prepared by the COE.

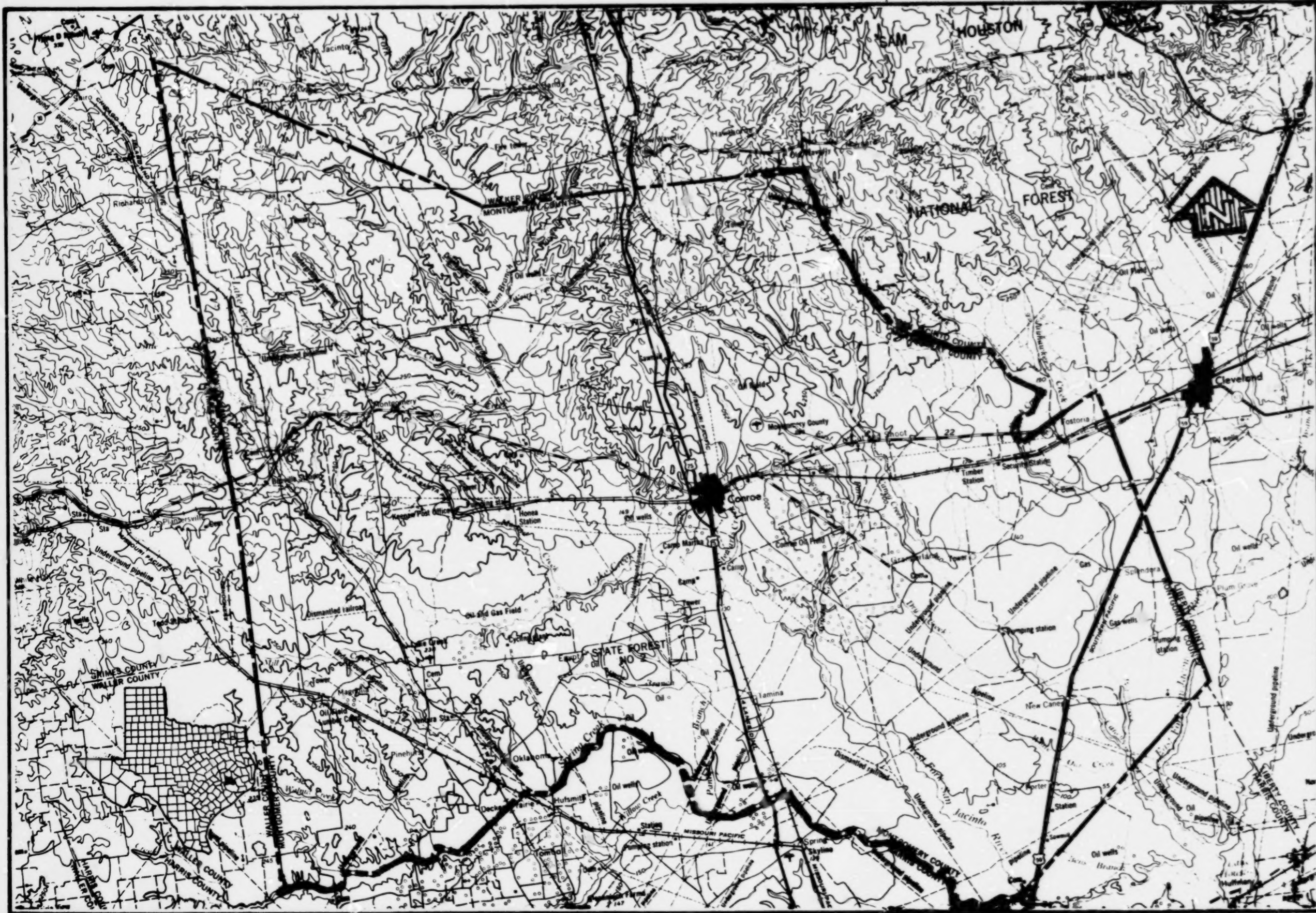
A final Consultation and Coordination Officer's (CCO) meeting for the original study was held on August 9, 1983, to review the results of that study. This meeting was attended by representatives of the study contractor, FEMA, and Montgomery County. On September 25, 1985, a final CCO meeting, attended by representatives of FEMA, the study contractor, and the community, was held to review the results of the first revision.

2.0 AREA STUDIED

2.1 Scope of Study

This Flood Insurance Study covers the unincorporated areas of Montgomery County, Texas. The incorporated areas of the Cities of Panorama Village, Patton Village, Lake Chateau Woods, Stagecoach Farms, Magnolia, Roman Forest, Woodbranch Village, Splendora, Willis, Cut and Shoot, Woodlock, Montgomery, and Oak Ridge North were not included in this study. The area of study is shown on the Vicinity Map (Figure 1).

The county is drained by numerous rivers and creeks. This study includes 130 distinct watercourses that were studied in detail, two of which (White Oak Creek and Silverdale Creek) were added in the first revision. Portions of Grand Lake Creek, Caney Creek, Alligator Creek, White Oak Creek - West, and White Oak Creek - West Tributary No. 1 were revised in the first revision to reflect more up-to-date analyses. In the second revision, the following streams were updated to reflect more up-to-date analyses: Bens Branch and Bens Branch Tributary No. 2; and Panther Branch, from upstream of Woodlands Parkway to a point approximately 0.37 mile upstream of Research Forest Drive. The backwater reach of Bens Branch Tributary No. 1 was also updated. The areas studied by detailed methods were selected with priority given to all known flood hazard areas and areas of projected development and proposed construction.



APPROXIMATE SCALE



VICINITY MAP

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

1

Some of the streams in the county were studied down to drainage areas of less than 1.0 square mile. This was done at the request of local officials and citizens because of past flooding experience and the development potential in the floodplains of these streams. Since local officials, the SCS, and FEMA were all in agreement that these streams should be studied for these small drainage areas, the streams were included in this study.

Approximate analyses were used to study those areas having a low development potential or minimal flood hazards. The scope and methods of study were proposed to, and agreed upon by, FEMA and Montgomery County.

2.2 Community Description

Montgomery County is located in the southeast part of Texas. Conroe, the county seat, is located approximately 45 miles north of Houston on Interstate Route 45 (Reference 1).

Montgomery County was created from Washington County and was organized in 1837. The county is named after U. S. Revolutionary War General Richard Montgomery. The approximate area of the county is 1,090 square miles, and the 1980 population was 128,487 (Reference 2).

The economy of the county is supported by agriculture and timber production, retail outlets, and the production of oil, gas, sand, and gravel. In 1980, the tax value of the county was over \$3.3 billion (Reference 2).

The vegetation in Montgomery County can best be described as two vegetational areas that exist in the county. These are Pineywoods and Blackland Prairies. The Pineywoods comprise 84 percent of the county (Reference 3). The dominant vegetation in the Pineywood vegetational area is pine, mostly loblolly and shortleaf. Other species that may be associated with pine are sweetgum and oak. Ground cover is very sparse under the dense overstory. Hardwoods become more prevalent along stream courses and in bottom land areas. The major species in the overstory are maple, hickory, and various species of oak and gum. Understory species include yaupon, American beauty berry, haws, holly, dogwood, wax myrtle, grape, and greenbriar. The open areas are comprised primarily of herbaceous plants, principally little bluestem, Indiangrass, paspalums, and several species of panicums and lovegrass (Reference 3). The Blackland Prairie vegetational area was historically a tall and mid-grass prairie. The dominant species are little bluestem, Indiangrass, switchgrass, sideoats grama, Texas wintergrass, dropseeds, and lovegrasses. Post oak and blackjack oak may occur on the lighter soils. The major woody species occurring along stream courses are hackberry, elm, and ash (Reference 3).

Most of the Blackland Prairie and some of the timbered areas of the Pineywoods have been converted to other land uses such as cropland, pastureland, and urban areas. Major crops include small grains and forage sorghum. Coastal bermuda and legumes are being grown on pastureland (Reference 3).

There are eight major categories of soils in Montgomery County. Soils belonging to the Conroe association occupy approximately 27 percent of the county in a generally northeast-southwest trending band across the midsection of the county. These soils are deep, gently sloping to rolling sandy soils that become clayey with depth. Ironstone gravel occurs in the surface layers of some of these soils and is mined for gravel. This association supports mainly timber but is also used for small livestock farms (Reference 4).

The Splendora-Boy-Segno association covers approximately 22 percent of the county, lying to the east of the Conroe association. This association consists of deep, nearly level to gently sloping loamy, and sandy soils with loamy lower layers. This association is used mostly for pine timber (Reference 4).

The Wicksburg-Susquehanna association makes up approximately 19 percent of the county, mainly in the northwest portion. These are deep, gently sloping sandy and loamy soils that have clayey lower layers and are used mainly for timber production. They are located on broad interstream divides and rolling side slopes of natural drains (Reference 4).

The Sorter association occurs in flat to slightly depressed areas that have no well-defined drainage patterns. This association makes up approximately 10 percent of the county and is located mainly in the southeast portion. The soils are deep, level, poorly drained and are loamy throughout the profile. The water table is near the surface during much of the winter and spring, and this keeps the soils wet. This association is used mainly for pine and hardwood timber production (Reference 4).

The Ferris-Houston Black-Kipling association occupies approximately 8 percent of the county, mainly in the northwestern portion. These soils are deep, gently sloping to rolling, firm, mainly clayey soils that have a high shrink-swell potential, and they tend to erode on steeper slopes. This association is used mainly for raising livestock. Corn, small grains, and cotton are also grown (Reference 4).

The Albany-Tuckerman association occupies broad stream terraces, poorly drained flats, and poorly drained sandy ridges along the major drainageways. The soils of this association make up approximately 7 percent of the county, and are deep, level to gently sloping, with sandy and loamy textures. They are used mainly for pine timber (Reference 4).

Soils belonging to the Tuscumbia association occur over approximately 6 percent of the county and are located in the floodplains of major drainageways. The soils of this association are mostly clayey and subject to overflows. They are poorly drained and generally not suitable for cultivation. These soils are used mainly for hardwood timber and pasture (Reference 4).

The remaining 1 percent of the county is occupied by soils belonging to the Hockley-Katy association. This association is comprised of deep, level to very gently loamy soils that have loamy or clayey lower layers, and they occur on low gently sloping ridges and nearly level areas in the southwest portion of the county. This association is used for crops, pasture, and vegetable farms (Reference 4).

In recent years, much of the current land has been converted to urban uses. Much of the once rural area is being developed for houses, businesses, and industries. There are 16 incorporated cities and 1,380 subdivisions in Montgomery County. The cities and populations are as follows: Conroe with 18,034, Lake Chateau Woods with 590, Cut and Shoot with 568, Magnolia with 867, Montgomery with 258, Oak Ridge North with 2,504, Panorama Village with 1,186, Patton Village with 1,050, Roman Forest with 929, Shenandoah with 1,793, Splendora with 721, Stagecoach Farms with 349, Woodlock with 351, Willis with 1,674, Woodbranch Village with 720, and a small part of Houston (Reference 2).

Elevations in the county range from approximately 430 feet in the very northwest corner of the county to approximately 35 feet where the West Fork of San Jacinto River leaves the county (Reference 5).

The average annual rainfall ranges from approximately 43 inches in the western part of the county to approximately 48 inches in the eastern part of the county. The average annual rainfall based on the Conroe gage with 60 years of record is 45.53 inches. May is the wettest month, with an average rainfall of 4.86 inches. The driest month is March, with an average of 2.65 inches of rain (References 6 and 7).

The average annual temperature ranges from approximately 67 degrees Fahrenheit ($^{\circ}\text{F}$) in the northern part of the county to approximately 68 $^{\circ}\text{F}$ in the southern part of the county. The average annual temperature based on the Conroe gage with 60 years of record is 67.1 $^{\circ}\text{F}$. The hottest month on the average is August with an average temperature of 83.2 $^{\circ}\text{F}$. The coldest month on average is January with an average temperature of 49.7 $^{\circ}\text{F}$ (References 7 and 8).

2.3 Principal Flood Problems

All of the streams studied by detailed methods in Montgomery County except Spring Creek, Threemile Creek, Brushy Creek, Log Gully, Mill

Creek, Caney Creek No. 2, Little Caney Creek No. 3, Lake Creek, Caney Creek North Tributary No. 1, Green Branch, West Fork of San Jacinto River, Gum Branch, Hosstetter Creek, Little Caney Creek No. 2, Caney Creek Tributary No. 3, Caney Creek, Peach Creek, Jayhawker Creek, and East Fork of San Jacinto River originate within the county. The large drainage areas, particularly on the East Fork of San Jacinto River, the West Fork of San Jacinto River, Spring Creek, Lake Creek, Caney Creek, and Peach Creek, coupled with flat topography, result in slow runoff and long duration flood concentrations. Small culverts and bridges under roads and railroads aggravate the problem. Flooding commonly occurs along all reaches of all of the streams studied. Small overflows occur during most years and cause minor damage. Larger floods with potential for significant damage occur when the county receives, for example, 9.0 inches of rainfall in 48 hours. Records indicate the county has a 10 percent chance of this rainfall occurring in any given year (Reference 9). See Figures 2, 3, 4, 5, 6, 7, 8, and 9 for potential flood photographs at selected areas.

Flooding throughout the county has closed roads on numerous occasions. The most notable of these are Rayford Road at San Bell Gully, Hardin Store Road at Walnut Creek, Egypt-Honea Road at Lake Creek, Shepard Hill Road at Shepard Branch, Morgan Cemetery Road at Peach Creek, and Crighton Road at Stewarts Creek. These roads are closed for several days at a time. More road closings can be expected when the base flood occurs.

The last significant floodings in the county were April 19, 1979, and September 20, 1979. The April storm produced 11.61 inches of rainfall at the Conroe gage, and the September storm produced 5.13 inches of rainfall at the Conroe gage (References 10 and 11). Serious flooding has occurred in the county in 1973, 1960, and 1940. The 1960 rainfall was produced by Hurricane Carla.

2.4 Flood Protection Measures

Numerous subdivisions in the county have enlarged drainage ditches to help alleviate the flood problems in their immediate vicinity. Most of these improvements, however, have very little effect on the base flood. All existing structures and improvements were considered when the hydrologic and hydraulic analyses were made. No other concerted flood protection effort is planned for the foreseeable future.

3.0 ENGINEERING METHODS

For the flooding sources studied in detail in the county, standard hydrologic and hydraulic study methods were used to determine the flood



FIGURE 2: Potential flood heights at Crighton Road over
Stewarts Creek.



FIGURE 3: Potential flood heights at Sycamore Drive over Caney
Creek.

BEST COPY AVAILABLE



FIGURE 4: Potential flood heights at Duck Road over Duck Creek.

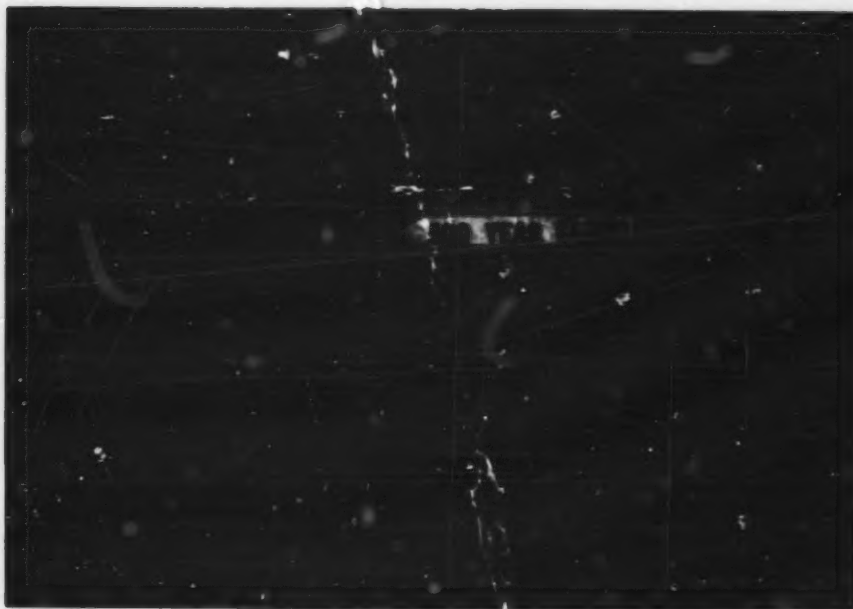


FIGURE 5: Potential flood heights at FM 1486 over Mill Creek.

BEST COPY AVAILABLE



FIGURE 8: Potential flood heights at FM 149 over Town Creek.



FIGURE 7: Potential flood heights at FM 830 over Live Branch.



FIGURE 8: Potential flood heights at FM 149 over Little Lake Creek.



FIGURE 9: Potential flood heights at FM 1375 over Caney Creek North.

hazard data required for this study. Flood events of a magnitude which are expected to be equaled or exceeded once on the average during any 10-, 50-, 100-, or 500-year period (recurrence interval) have been selected as having special significance for floodplain management and for flood insurance rates. These events, commonly termed the 10-, 50-, 100-, and 500-year floods, have a 10, 2, 1, and 0.2 percent chance, respectively, of being equaled or exceeded during any year. Although the recurrence interval represents the long term average period between floods of a specific magnitude, rare floods could occur at short intervals or even within the same year. The risk of experiencing a rare flood increases when periods greater than 1 year are considered. For example, the risk of having a flood which equals or exceeds the 100-year flood (1 percent chance of annual exceedence) in any 50-year period is approximately 40 percent (4 in 10), and, for any 90-year period, the risk increases to approximately 60 percent (6 in 10). The analyses reported herein reflect flooding potentials based on conditions existing in the community at the time of completion of this study. Maps and flood elevations will be amended periodically to reflect future changes.

3.1 Hydrologic Analyses

Hydrologic analyses were carried out to establish the peak discharge-frequency relationships for each flooding source studied in detail affecting the county.

Hydrologic evaluations were based on synthetic frequency methods. Rainfall frequency data were obtained from U. S. Weather Bureau Technical Paper No. 49, Rainfall Frequency Atlas of the United States (Reference 9). Values greater than the 100-year frequency event were determined by extrapolation of data on standard log-log paper.

For all streams within the county except Spring Creek, Sam Bell Gully, Bens Branch, Bens Branch Tributary No. 2, and portions of White Oak Creek, peak discharge values for various frequencies were determined using the SCS Computer Program for Project Formulation (Reference 12). Peak discharges for Spring Creek, Sam Bell Gully, and portions of White Oak Creek were obtained from the COE. Peak discharges for Bens Branch and Bens Branch Tributary No. 2 were obtained using the COE HEC-1 computer program (Reference 13).

A summary of the drainage area-peak discharge relationship for the streams studied by detailed methods is shown in Table 1, "Summary of Discharges." In some cases, the discharges are attenuated in the downstream direction due to storage in the overbanks.

TABLE 1 - SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
WEST FORK OF SAN JACINTO RIVER					
At county line	1,744.71	29,910	109,901	148,594	264,717
At cross section B	986.55	29,943	72,509	97,318	164,544
At cross section I	960.55	30,571	73,645	98,593	165,249
At cross section O	942.31	30,807	74,300	99,367	165,553
At cross section S	919.45	30,973	74,707	99,818	1165,541
At cross section T	870.60	30,825	73,467	97,775	161,279
At cross section W	866.56	30,959	73,820	98,144	161,349
At cross section X	850.92	31,026	73,804	97,882	160,542
At Interstate Route 45	827.48	31,432	73,578	97,307	158,840
At cross section AJ	811.71	32,952	74,798	98,048	158,839
At cross section AK	477.09	27,038	63,784	83,922	132,870
At FM 2854	468.30	27,456	63,868	83,859	131,919
At State Route 105	451.56	27,992	63,703	83,371	130,088
At Back Tow of Lake Conroe Dam	445.00	28,668	63,700	83,249	129,329
WOODSONS GULLY					
At cross section A	10.45	1,222	2,854	3,832	6,698
At Riley Fussel Road	4.88	820	1,848	2,456	4,222
At cross section H	1.04	349	784	1,040	1,778
WHITE OAK CREEK - WEST					
At cross section A	4.34	968	2,278	3,070	5,385
WHITE OAK CREEK - WEST TRIBUTARY NO. 1					
At cross section A *	0.59	11	26	39	100
At cross section B	0.46	56	145	229	440
At cross section C	0.36	86	214	294	532
CRYSTAL CREEK					
At cross section A	46.62	1,772	4,954	7,041	13,590
At cross section L	34.66	1,474	4,235	6,047	11,702
At FM 1314	25.90	1,166	3,450	4,959	9,663
At State Highway 105	19.73	1,011	3,082	4,456	8,747
At FM 1484	11.52	773	2,539	3,720	7,438
At cross section AN	6.31	531	1,834	2,702	5,420
At cross section AO	3.65	336	1,119	1,635	3,257
At U. S. Route 75	1.75	230	794	1,164	2,340
At Powell Street	0.41	93	309	451	911
At cross section AZ	0.19	36	118	172	339

* Water leaves watershed just upstream of this cross section

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
CRYSTAL CREEK					
TRIBUTARY NO. 1					
At cross section A	4.34	356	1,132	1,644	3,241
At Humble Road	2.09	252	862	1,259	2,495
At cross section J	1.20	189	603	875	1,755
WEST FORK OF CRYSTAL CREEK					
At FM 1314	8.64	560	1,725	2,492	4,880
At cross section G	6.93	512	1,636	2,390	4,790
At cross section H	4.64	407	1,311	1,910	3,782
At Humble Road	3.37	333	1,075	1,566	3,091
At State Highway 105	2.54	306	998	1,453	2,862
At cross section Q	2.18	297	973	1,416	2,788
CRYSTAL CREEK					
TRIBUTARY NO. 2					
At cross section A	0.72	89	318	465	921
At Deep Forest Drive	0.58	86	288	420	828
At cross section G	0.46	81	265	385	758
CRYSTAL CREEK					
TRIBUTARY NO. 3					
At State Highway 105	2.15	181	667	995	2,030
At cross section E	1.95	195	741	1,108	2,270
CRYSTAL CREEK					
TRIBUTARY NO. 4					
At cross section A	1.72	163	596	886	1,803
At cross section B	1.64	168	609	908	1,923
At cross section C	0.96	92	335	499	1,022
At cross section H	0.68	84	302	449	938
CRYSTAL CREEK					
TRIBUTARY NO. 5					
At Oak Leaf Road	0.66	84	309	458	926
At Long Leaf Road	0.62	82	300	445	900
CARTERS SLOUGH					
At cross section A	5.72	719	1,724	2,329	4,106
At Concord Drive	5.07	708	1,704	2,305	4,094
At White Birch Drive	4.92	721	1,755	2,377	4,216
At Lexington Drive	4.78	733	1,804	2,446	4,334
At cross section H	1.93	330	804	1,088	1,921
At cross section I	1.18	289	703	949	1,668

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
SANDY BRANCH					
At Simpson Road	2.25	217	712	1,036	2,040
At Stidham Road	2.02	213	718	1,047	2,070
At cross section E	1.51	182	618	904	1,794
At cross section F	1.05	161	517	749	1,467
GLENEAGLES DIVERSION DITCH					
At Shallow Lane	1.16	276	626	833	1,431
At cross section D	0.67	230	517	686	1,198
LITTLE CANEY CREEK					
At Simpson Road	7.62	435	1,372	1,995	3,944
At Crighton Road	5.53	368	1,204	1,759	3,497
At Southern Oak Drive	3.76	317	1,075	1,581	3,219
At Avenue M	2.57	271	919	1,345	2,673
At cross section Q	1.50	122	422	621	1,240
At cross section V	0.65	111	376	550	1,091
STEWARTS CREEK					
At cross section A	18.94	1,060	3,112	4,455	8,618
At cross section G	18.53	1,058	3,115	4,461	8,635
At cross section H	17.68	1,042	3,081	4,418	8,569
At State Route 336	12.72	878	2,644	3,809	7,488
At Missouri Pacific Railroad	6.89	624	1,916	2,757	5,356
At U. S. Route 75	4.12	487	1,558	2,250	4,386
At FM 830	2.92	443	1,413	2,040	3,974
At cross section AI	2.18	406	1,289	1,861	3,624
STEWARTS CREEK TRIBUTARY NO. 1					
At Missouri Pacific Railroad	2.05	175	630	936	1,898
At cross section E	1.40	155	572	853	1,737
At cross section G	0.63	91	337	501	1,019
GRAND LAKE CREEK					
At cross section A	1.13	301	702	950	1,675
At South Rivershire Drive	0.85	265	651	878	1,484
At North Rivershire Drive	0.55	200	457	603	994
At Gladstell Street	0.49	189	420	552	927

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
ALLIGATOR CREEK					
At cross section A	4.70	963	2,224	2,969	5,136
At cross section B	4.53	1,065	2,453	3,275	5,665
At cross section C	3.97	2,995	4,620	5,390	7,350
At Old Montgomery Road	3.78	2,850	4,400	5,130	7,000
WHITE OAK CREEK - NORTH					
At Memorial Drive	8.38	661	2,100	3,044	5,974
At State Route 105	8.00	671	2,154	3,126	6,141
At Longmire Road	7.51	680	2,205	3,204	6,307
At cross section I	5.96	619	2,018	2,937	5,788
At Texas Nursery Road	1.42	167	552	804	1,586
At cross section O	0.43	85	273	395	770
EGYPT CREEK					
At cross section A	1.50	174	581	852	1,697
At Old State Route 105	1.25	179	595	870	1,727
At cross section D	0.80	136	455	665	1,320
At cross section E	0.39	68	230	336	666
SAND BRANCH					
At cross section A	1.13	127	446	660	1,332
At West Creek Drive	0.90	116	423	627	1,268
At cross section F	0.81	111	413	612	1,238
BASE CREEK					
At State Route 105	2.32	230	802	1,183	2,377
At Old State Route 105	1.89	237	828	1,223	2,461
At cross section G	1.02	163	574	846	1,697
BENS BRANCH					
At county boundary	11.55	1,187	1,818	2,230	3,096
Approximately 200 feet upstream of Kingwood Diversion Ditch	11.55	1,910	2,710	3,220	4,290
Approximately 0.45 mile upstream of confluence of Bens Branch Tributary No. 1	10.00	1,500	1,730	2,220	3,600

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
BENS BRANCH (continued)					
At upstream side of confluence of Bens Branch Tributary No. 2	6.94	1,200	1,720	2,080	2,700
Approximately 0.57 mile upstream of U. S. Route 59	6.18	1,220	1,860	2,260	3,050
At upstream side of Sorters Road	3.90	1,080	1,510	1,770	2,300
Approximately 50 feet downstream of Cherokee Road	1.49	566	796	939	1,200
BENS BRANCH TRIBUTARY NO. 1					
At cross section A	1.36	197	529	731	1,331
At Martin Drive	0.87	144	365	502	911
At U. S. Route 59	0.65	124	332	437	829
At cross section M	0.36	95	238	326	584
BENS BRANCH TRIBUTARY NO. 2					
At confluence with Bens Branch	2.4	486	530	580	650
At upstream side of diversion ditch	*	707	990	1,170	1,722
At downstream side of Wallis Drive	*	636	891	1,049	1,722
At downstream side of Martin Drive	*	608	851	1,003	1,722
At downstream side of Hammond Drive	*	587	822	968	1,722
CANEY CREEK					
At cross section A	341.64	18,751	46,679	65,727	103,534
At cross section B	340.82	18,760	46,762	65,864	103,750
At cross section C	182.92	10,381	21,069	27,405	47,002
At U. S. Route 59	173.97	10,508	21,303	27,699	47,468
At cross section P	170.96	10,566	21,411	27,833	47,678
At cross section Q	152.57	10,442	21,095	27,391	46,815
At cross section R	115.49	9,855	19,718	25,523	43,376

* Data not available

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
CANEY CREEK (continued)					
At cross section AK	100.55	10,455	20,717	26,722	45,097
At Conroe By Spot Road	92.45	10,309	20,446	26,373	44,501
At cross section AV	91.84	10,308	20,442	26,367	44,485
At cross section AW	78.20	9,628	18,886	24,264	40,622
At cross section BB	72.02	9,512	18,660	23,968	40,092
At cross section BC	60.88	8,858	17,160	21,940	36,409
At cross section BG	56.22	8,798	17,011	21,739	36,012
At cross section BU	44.11	8,313	15,966	20,356	33,575
At cross section BV	18.77	2,184	4,699	6,200	10,830
At county line	11.45	1,563	3,479	4,629	8,199
CANEY CREEK TRIBUTARY NO. 1					
At cross section A	3.78	545	1,473	2,056	3,932
At Johnson Road	2.53	425	1,106	1,530	2,876
At FM 1485	1.95	396	1,075	1,492	2,818
At U. S. Highway Loop 494	1.78	390	1,087	1,512	2,861
At cross section K	0.54	118	324	450	853
DRY CREEK					
At FM 1485	17.75	2,456	5,090	6,638	11,367
At cross section F	13.95	2,190	4,604	6,030	10,384
At cross section J	10.84	1,992	4,271	5,633	9,776
At cross section O	5.49	1,252	2,738	3,619	6,317
At cross section P	3.54	711	1,571	2,083	3,661
At cross section V	3.40	661	1,464	1,942	3,417
At cross section W	2.22	522	1,121	1,483	2,568
SPRING BRANCH					
At cross section A	35.76	3,119	7,283	9,867	18,099
At FM 2090	27.80	2,753	6,756	9,272	17,351
At cross section L	25.34	2,606	6,327	9,054	17,101
At cross section M	8.53	1,513	3,618	4,896	8,890
At cross section N	5.68	1,105	2,616	3,536	6,408
At cross section O	3.69	864	2,046	2,763	4,999
At Atchison, Topeka & Santa Fe Railroad	2.05	582	1,377	1,857	3,352
At cross section T	1.77	535	1,265	1,705	3,077
At cross section U	0.71	239	565	762	1,371

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
WEST FORK OF SPRING BRANCH					
At cross section A	15.78	1,254	3,186	4,446	8,722
At cross section C	10.08	863	2,228	3,108	5,980
At Atchison, Topeka & Santa Fe Railroad	8.30	766	2,013	2,834	5,583
At State Route 105	6.06	611	1,632	2,289	4,549
At cross section O	3.65	452	1,278	1,807	3,523
At cross section W	2.79	422	1,214	1,722	3,368
At cross section X	1.67	304	880	1,249	2,442
At cross section AA	0.58	142	410	581	1,133
At cross section AD	0.30	67	188	265	513
McRAE CREEK					
At cross section A	13.08	894	2,312	3,232	6,248
At FM 1484	10.14	749	1,993	2,800	5,446
At cross section K	7.31	587	1,624	2,312	4,609
At FM 3081	5.59	486	1,425	2,065	4,343
At cross section R	4.59	420	1,228	1,776	3,674
At cross section V	2.59	273	847	1,225	2,472
At cross section Y	1.24	157	491	709	1,424
CAMP CREEK					
At cross section A	10.53	900	2,380	3,333	6,424
At cross section F	8.57	809	2,201	3,101	6,039
At cross section K	6.11	697	2,010	2,865	5,659
At Willis-County Line Road	4.90	646	1,964	2,810	5,572
At cross section O	2.47	337	1,040	1,493	2,975
At Willis-Mt. Zion Road	1.55	262	796	1,141	2,265
At Missouri Pacific Railroad	0.76	163	493	705	1,394
At cross section V	0.45	91	270	384	753
CANEY CREEK TRIBUTARY NO. 2					
At FM 1484	2.52	273	809	1,161	2,315
At cross section G	1.50	224	694	1,002	2,012
At cross section H	0.66	112	353	510	1,023
LITTLE CANEY CREEK NO. 2					
At cross section A	25.03	6,374	11,612	14,536	23,161
At Willis-Mt. Zion Road	19.28	5,808	10,625	13,313	21,235

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
LITTLE CANEY CREEK NO. 2 (continued)					
At cross section E	18.19	5,886	10,788	13,523	21,584
At cross section F	6.12	2,110	3,846	4,812	7,653
At cross section I	4.68	2,307	4,220	5,284	8,410
CANEY CREEK TRIBUTARY NO. 3					
At cross section A	2.09	822	1,571	1,994	3,247
At cross section E	1.15	701	1,342	1,704	2,876
At cross section F	0.65	520	1,002	1,273	2,074
PEACH CREEK					
At cross section A	156.49	10,642	29,406	42,942	63,248
At Roman Forest Boulevard	150.81	10,447	28,993	42,389	62,502
At U. S. Route 59	138.29	9,712	27,457	40,338	59,707
At cross section S	127.40	9,132	26,184	38,623	57,368
At cross section T	117.23	8,432	24,516	36,291	54,070
At cross section AB	106.77	8,009	23,551	34,980	52,272
At cross section AC	83.55	6,415	19,201	28,650	42,971
At Atchison, Topeka & Santa Fe Railroad	78.75	6,212	18,712	27,965	42,013
At State Route 105	69.96	5,768	17,428	26,039	39,085
At cross section AR	61.49	5,371	16,350	24,470	36,753
At cross section AS	49.23	4,486	13,860	20,796	31,265
At cross section AU	47.87	4,440	13,764	20,637	31,055
At cross section AV	30.07	2,948	9,369	14,125	21,331
At FM 3081	19.97	2,418	8,213	12,547	19,123
At cross section BI	11.75	1,468	5,112	7,863	12,050
At cross section BO	8.95	1,231	4,510	6,974	10,727
At cross section BP	4.66	774	2,751	4,197	6,378
At cross section BT	0.78	142	481	731	1,108
PEACH CREEK TRIBUTARY NO. 1					
At cross section A	9.73	2,511	6,033	8,381	11,762
At cross section F	8.91	2,451	5,923	8,243	11,759
At cross section G	4.01	960	2,358	3,400	4,802
At cross section L	2.01	570	1,450	1,890	2,700
WATERHOLE BRANCH					
At cross section A	4.35	1,204	2,726	3,723	5,146
At cross section D	3.87	1,152	2,626	3,613	5,004

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
GULLY BRANCH					
At cross section A	10.08	1,500	4,045	5,833	8,452
At cross section J	8.53	1,394	3,835	5,544	8,060
PEACH CREEK TRIBUTARY NO. 2					
At cross section A	0.81	128	470	730	1,128
At cross section D	0.56	104	390	605	931
HIGHTOWER BRANCH					
At cross section A	2.39	489	1,655	2,513	3,804
At cross section C	1.75	394	1,312	1,984	2,993
At cross section D	0.48	106	364	554	840
JAYHAWKER CREEK					
At cross section A	22.09	1,945	6,360	9,582	14,464
At cross section B	16.14	1,251	3,669	5,565	8,470
At State Route 105	13.67	1,113	3,186	4,690	6,944
At cross section I	10.98	960	2,821	4,193	6,257
BEE BRANCH					
At cross section A	5.11	775	2,330	3,453	5,129
At Fostoria Road	3.07	457	1,300	1,908	2,799
At cross section F	2.68	423	1,221	1,788	2,630
LAWRENCE CREEK					
At cross section A	6.80	497	1,938	3,096	4,913
At cross section G	5.66	427	1,694	2,728	4,353
At cross section M	2.61	230	919	1,461	2,302
DUCK CREEK					
At cross section A	5.46	506	2,093	3,348	5,298
At cross section D	4.07	401	1,793	2,891	4,597
At cross section G	1.43	145	589	936	1,473
PEACH CREEK TRIBUTARY NO. 3					
At cross section A	3.75	437	1,897	3,045	4,823
At cross section C	1.68	228	1,015	1,623	2,562
At cross section E	0.41	70	283	446	697
SPRING CREEK					
At mouth	760.6	23,700	56,400	75,700	134,000
Below Cypress Creek *	757.3	24,300	57,200	76,800	135,000

* Discharge data provided by COE

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
SPRING CREEK (continued)					
Above Cypress Creek*	437.9	13,900	36,300	51,600	101,000
Above Riley Fussel Road	422.3	17,600	39,700	52,900	92,206
Above Interstate Route 45	409.3	20,600	42,600	54,000	84,800
Above Panther Branch	370.7	19,500	40,700	51,900	83,000
Below Willow Creek*	365.3	19,300	40,400	51,700	82,700
Below Dry Creek*	298.0	17,400	37,000	48,100	79,600
Below Mill Creek*	267.7	16,500	35,500	46,400	78,200
Above Mill Creek*	191.9	14,400	31,800	42,600	74,700
Below Walnut Creek*	181.6	17,100	36,300	47,200	78,700
Above Walnut Creek	105.4	8,600	19,500	26,100	46,300
SAM BELL GULLY DIVERSION*					
At mouth	7.5	3,014	**	4,277	5,185
TRIBUTARY TO SAM BELL GULLY DIVERSION CHANNEL*					
At mouth	1.5	684	**	971	1,177
SAM BELL GULLY At cross section AC*					
	1.16	594	834	956	1,210
PANTHER BRANCH					
At cross section A	34.23	1,294	3,777	5,424	10,583
At Sawdust Road	32.87	1,288	3,788	5,455	10,678
At cross section Y	24.13	1,106	3,432	5,019	10,068
At cross section Z	8.48	521	1,739	2,559	5,137
At cross section AF	6.57	448	1,536	2,268	4,579
At cross section AG	3.84	273	902	1,323	2,655
At FM 1488	2.80	242	854	1,265	2,549
At cross section AN	2.07	195	656	971	1,942
At cross section AR	1.35	168	576	845	1,685
PANTHER BRANCH TRIBUTARY NO. 1					
At cross section A	2.27	193	616	906	1,786
At cross section B	2.14	188	604	896	1,771

* Discharge data provided by COE
 ** Not computed

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
BEAR BRANCH					
At cross section A	15.26	709	2,198	3,189	6,293
At cross section K	11.95	633	2,050	3,002	5,993
At cross section P	8.84	563	1,912	2,829	5,729
At cross section U	4.93	417	1,502	2,228	4,516
At FM 2978	3.29	307	1,121	1,663	3,367
At cross section AA	2.01	243	858	1,266	2,547
At FM 1488	1.02	188	656	966	1,939
At cross section AE	0.49	133	462	680	1,364
At cross section AF	0.11	19	66	96	192
PANTHER BRANCH					
TRIBUTARY NO. 2					
At cross section A	2.45	185	676	1,013	2,086
At cross section E	1.25	132	487	726	1,480
At cross section H	0.41	51	192	287	590
DRY CREEK NO. 2					
At cross section A	15.82	852	2,680	3,897	7,701
At FM 2978	12.51	743	2,416	3,537	7,059
At cross section N	10.16	691	2,395	3,550	7,202
At cross section O	7.66	546	1,871	2,774	5,667
At cross section P	3.00	243	796	1,162	2,302
At cross section X	1.99	210	705	1,036	2,064
At cross section AA	1.39	184	625	915	1,819
DRY CREEK NO. 2					
TRIBUTARY NO. 1					
At cross section A	2.78	217	794	1,183	2,411
At cross section D	1.57	183	668	993	2,017
At cross section E	0.27	45	157	232	465
At cross section I	0.04	8	27	39	76
MILL CREEK					
At cross section A	75.23	2,752	7,067	9,787	18,065
At Chicago, Rock Island & Pacific Railroad	59.88	2,516	6,567	9,144	17,020
At cross section U	55.13	2,457	6,481	9,043	16,877
At cross section V	54.15	2,535	6,714	9,366	17,446
At cross section AD	44.53	2,350	6,386	8,956	16,789
At cross section AE	34.08	2,054	5,677	7,999	15,094
At FM 1486	31.53	2,095	5,877	8,303	15,720
At cross section AK	28.90	2,028	5,768	8,171	15,540
At cross section AM	26.36	1,998	5,786	8,220	15,668

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
DECKER BRANCH					
At cross section A	10.07	665	2,006	2,883	5,601
At Missouri Pacific Railroad	7.78	562	1,748	2,527	4,951
At FM 149	6.27	539	1,745	2,543	5,044
At cross section O	4.94	478	1,559	2,274	4,538
At cross section P	2.02	230	721	1,041	2,028
At Oak Valley Lane	1.63	230	724	1,045	2,034
At cross section Y	0.89	162	516	745	1,453
GOODSON BRANCH					
At cross section A	2.46	257	883	1,362	2,747
At cross section B	0.71	91	328	490	985
At cross section F	0.27	46	156	228	452
DECKER BRANCH TRIBUTARY NO. 1					
At cross section A	1.58	170	625	924	1,859
At Coe Road	0.83	100	356	525	1,053
At cross section G	0.39	58	204	299	598
MILL CREEK TRIBUTARY NO. 1					
At Little Thorn Lane	0.66	220	506	675	1,164
At cross section L	0.42	177	402	534	918
MILL CREEK TRIBUTARY NO. 2					
At cross section A	1.23	510	1,030	1,331	2,196
At Little Thorn Lane	0.99	502	974	1,245	2,022
At Honeysuckle Lane	0.38	143	333	447	775
At Sunflower Lane	0.21	92	214	286	496
At cross section M	0.12	49	114	152	265
MILL CREEK TRIBUTARY NO. 3					
At cross section A	0.57	377	669	832	1,293
At Cole Valley Drive	0.49	366	647	804	1,248
At Robin George Drive	0.15	186	329	409	635
At cross section H	0.06	47	83	103	160
MILL CREEK TRIBUTARY NO. 4					
At cross section A	2.89	285	1,033	1,531	3,098
At cross section B	2.16	254	898	1,327	2,672

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
MILL CREEK TRIBUTARY NO. 4 (continued)					
At cross section C	0.92	117	432	641	1,300
At cross section E	0.38	67	229	336	668
At cross section G	0.02	4	14	20	39
MILL CREEK TRIBUTARY NO. 5					
At cross section A	7.65	459	1,596	2,368	4,817
At cross section B	7.31	460	1,612	2,391	4,863
At cross section D	5.27	389	1,412	2,102	4,282
At FM 1486	4.09	383	1,412	2,108	4,311
At cross section H	2.06	252	910	1,353	2,752
WALNUT CREEK					
At cross section A	75.51	2,794	7,524	10,566	19,921
At cross section H	72.29	2,769	7,521	10,579	20,003
At Walnut Creek Drive	65.66	2,615	7,162	10,102	19,170
At cross section N	61.33	2,577	7,157	10,124	19,282
At cross section O	50.57	2,231	6,446	9,206	17,784
At cross section P	49.87	2,235	6,482	9,271	17,929
At Nichols Sawmill Road	44.07	2,091	6,164	8,848	17,212
At cross section T	43.74	2,121	6,288	9,033	17,589
At cross section Z	38.38	2,101	6,463	9,330	18,237
SULPHUR BRANCH					
At Hartman Road	6.52	377	1,230	1,803	3,605
At cross section D	5.35	334	1,131	1,670	3,370
At cross section E	5.11	346	1,193	1,769	3,594
At cross section G	3.98	302	1,074	1,590	3,215
At Green Oak Drive	2.52	230	863	1,286	2,618
At cross section N	1.12	142	496	732	1,469
At FM 1774	0.52	98	338	498	998
At cross section U	0.17	33	108	158	312
WALNUT CREEK TRIBUTARY NO. 1					
At Butera Drive	1.72	160	594	887	1,816
At cross section C	1.03	92	346	521	1,078
At cross section E	0.63	73	269	400	813
MINK BRANCH					
At cross section A	10.41	1,028	2,653	3,659	6,673
At cross section C	8.44	1,045	2,726	3,767	6,883

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
MINK BRANCH					
(continued)					
At Nichols Sawmill Road	5.25	550	1,560	2,207	4,162
At cross section H	3.89	542	1,618	2,294	4,379
At FM 1488	2.39	401	1,168	1,652	3,122
At cross section L	1.67	316	944	1,338	2,536
At Goodson Road	0.63	159	451	634	1,188
ARNOLD BRANCH					
At cross section A	3.13	576	1,362	1,829	3,190
At cross section C	2.93	575	1,352	1,835	3,208
At Magnolia-Waller Road	1.81	441	1,033	1,386	2,416
At FM 1488	0.91	330	781	1,049	1,827
At Old Hempstead Road	0.55	222	514	687	1,189
LOG GULLY					
At Nichols Sawmill Road	5.03	303	1,014	1,494	3,012
At Alford Road	2.25	199	716	1,062	2,175
At Lake Shore Drive	1.54	164	583	864	1,751
At FM 1488	1.24	148	522	773	1,564
At cross section O	0.84	123	440	652	1,316
BRUSHY CREEK					
At cross section A	48.44	3,469	8,138	12,073	21,982
At cross section F	43.85	3,635	8,379	12,912	23,588
At cross section G	15.29	1,132	2,468	4,353	8,142
THREEMILE CREEK					
At cross section A	27.40	2,488	5,849	8,591	15,507
MILLS BRANCH					
At stream mile 0.00	3.67	650	1,580	2,100	3,240*
At stream mile 1.30	2.18	270	720	970	1,660
EAST FORK OF SAN JACINTO RIVER					
At East River Road	381.56	18,381	41,289	55,106	96,026
At cross section D	374.41	18,553	41,701	55,670	97,049
At cross section G	365.78	18,843	42,327	56,487	98,415

* Discharges adjusted to reflect basin flow

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
CHURCH HOUSE GULLY					
At cross section A	1.32	198	636	923	1,812
At cross section B	0.36	61	198	287	561
At cross section D	0.14	27	86	125	245
ORTON GULLY					
At cross section A	1.09	254	639	864	1,523
At cross section C	0.76	242	578	779	1,365
At cross section E	0.48	177	419	563	984
LIVE BRANCH					
At cross section A	3.17	723	1,556	2,039	3,423
At State Route 830	1.82	548	1,179	1,545	2,594
At cross section H	0.52	307	655	870	1,459
At cross section I	0.21	112	235	306	508
BELL CREEK					
At State Route 830	1.14	545	1,042	1,322	2,113
At cross section E	0.57	343	653	826	1,317
At cross section G	0.13	89	167	211	336
LEWIS CREEK					
At cross section A	4.88	298	659	870	2,608
At Back Toe of Lewis Creek Reservoir	4.18	1	426	762	2,496
At cross section C	1.06	471	1,031	1,358	2,294
At cross section D	0.42	208	451	593	999
WEIRS CREEK					
At cross section A	11.86	2,807	5,603	7,195	11,727
At cross section E	5.52	1,949	3,966	5,117	8,394
At cross section F	3.26	1,151	2,304	2,958	4,818
At Interstate Route 45	1.65	877	1,743	2,233	3,635
At State Route 75	1.56	852	1,692	2,167	3,516
CHAMBERS CREEK					
At cross section A	1.22	645	1,247	1,585	2,544
At cross section B	0.72	440	846	1,073	1,718
At cross section C	0.18	119	227	287	460
SHEPARD BRANCH					
At cross section A	2.10	818	1,592	2,029	3,267
At Shepard Hill Road	1.53	843	1,632	2,076	3,333
At cross section D	0.97	648	1,253	1,594	2,559
At Pickle Barn Road	0.36	223	429	545	874

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
WEIRS CREEK					
TRIBUTARY NO. 1					
At cross section A	2.16	853	1,770	2,296	3,797
At cross section B	0.64	335	690	892	1,470
At cross section E	0.09	53	107	137	225
HOSSTETTER CREEK					
At Wruff Wruff Road	8.17	1,865	3,820	4,940	8,137
At cross section D	6.98	1,833	3,767	4,875	8,039
At cross section F	3.99	1,480	3,043	3,937	6,482
GUM BRANCH					
At Old Fire Trail	6.64	1,057	2,506	3,375	5,921
At cross section D	5.43	1,143	2,748	3,706	6,510
RUSH CREEK					
At cross section A	1.64	325	873	1,215	2,316
At cross section B	1.61	327	918	1,281	2,366
At cross section C	1.07	280	730	1,007	1,831
At Spring Stream Road	0.34	108	273	373	671
At cross section I	0.17	62	153	209	373
RUSH CREEK TRIBUTARY NO. 1					
At cross section A	0.68	182	494	687	1,265
At Tejas Road	0.41	124	329	456	834
RUSH CREEK TRIBUTARY NO. 2					
At Comanche Road	0.41	86	258	367	702
At cross section D	0.27	64	188	268	509
At cross section E	0.09	23	68	96	180
MARTIN CREEK					
At cross section A	1.86	828	1,625	2,115	3,421
At cross section C	1.11	626	1,220	1,555	2,505
At cross section G	0.59	376	729	928	1,491
STEWART CREEK NORTH					
At Walden Road	4.77	1,441	2,830	3,607	5,809
At cross section C	4.41	1,469	2,860	3,645	5,874
At State Route 105	2.68	1,074	2,084	2,653	4,268
At cross section G	1.81	823	1,592	2,026	3,255
At FM 149	0.26	168	322	409	654

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
ATKINS CREEK					
At cross section A	9.94	1,919	3,673	4,663	7,473
At cross section B	8.87	1,878	3,601	4,572	7,330
At FM 1097	0.82	421	817	1,039	1,670
At cross section F	0.42	246	476	605	970
TOWN CREEK					
At cross section A	7.29	1,900	3,646	4,629	7,419
At cross section B	6.35	2,062	3,953	5,017	8,033
At FM 149	5.17	1,759	3,376	4,285	6,864
At cross section E	4.75	1,788	3,429	4,352	6,969
At cross section F	3.15	1,287	2,471	3,137	5,024
At cross section G	1.05	619	1,178	1,491	2,378
At cross section H	0.42	279	528	667	1,063
TOWN CREEK TRIBUTARY NO. 1					
At FM 149	0.93	399	767	974	1,561
At FM 1097	0.58	331	634	803	1,284
At cross section H	0.33	210	399	504	804
TOWN CREEK TRIBUTARY NO. 2					
At cross section A	1.06	573	1,098	1,392	2,226
At cross section B	0.42	277	526	665	1,059
CARWILE CREEK					
At cross section A	1.64	822	1,578	2,004	3,208
At cross section B	0.79	487	927	1,173	1,872
LAKE CREEK					
At cross section A	327.34	12,371	25,330	32,924	55,084
At Honey-Egypt Road	291.85	12,427	25,444	33,072	55,332
At Superior Road	279.72	12,558	25,707	33,417	55,960
At cross section U	258.64	12,719	26,007	33,871	56,871
At cross section Z	246.92	12,751	26,045	33,819	56,503
At cross section AB	241.13	12,830	26,190	33,988	56,659
At cross section AH	218.73	12,650	25,692	33,282	55,294
At cross section AI	159.88	10,714	22,120	28,780	48,103
At cross section AR	154.18	10,923	22,593	29,400	40,123
At cross section AS	115.33	9,231	19,427	25,398	42,718
At cross section AV	109.29	9,807	20,716	27,093	45,561
At cross section AX	105.62	9,780	20,695	27,079	45,567
At cross section BB	99.45	9,725	20,641	27,027	45,517
At cross section BF	88.61	9,874	21,064	27,616	46,588
At cross section BG	88.16	9,475	20,241	26,552	44,905
At cross section BH	53.31	6,321	13,575	17,814	30,073
At cross section BJ	47.36	7,145	15,417	20,260	34,230

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
FISH CREEK					
At cross section A	5.95	694	1,797	2,484	4,530
At cross section F	4.62	631	1,665	2,350	4,312
At cross section I	2.87	476	1,251	1,731	3,165
At FM 2854	1.56	241	634	875	1,591
At cross section P	0.94	237	607	835	1,540
MOUND CREEK					
At cross section A	19.99	1,753	4,384	6,003	10,830
At Hoena-Egypt Road	16.61	1,683	4,257	5,844	10,587
At FM 2854	11.43	1,424	3,675	5,071	9,228
At cross section Q	8.34	1,165	3,009	4,144	7,521
At cross section T	6.88	1,120	3,160	4,355	7,911
At Rabon Chapel Road	3.24	546	1,405	1,933	3,501
At cross section Z	1.81	456	1,187	1,637	2,974
At cross section AC	0.24	88	218	296	529
DEEP LAKE BRANCH					
At Buckridge Road	1.74	561	1,339	1,805	3,165
At cross section B	1.46	516	1,228	1,654	2,897
MOUND CREEK TRIBUTARY NO. 1					
At cross section A	0.83	141	435	624	1,204
At Stinson Lane	0.43	119	364	522	1,003
At cross section E	0.28	69	202	287	545
LAKE CREEK TRIBUTARY NO. 1					
At Hoena-Egypt Road	0.94	342	750	989	1,674
At cross section D	0.50	204	446	586	990
At cross section G	0.18	86	185	243	408
LAKE CREEK TRIBUTARY NO. 2					
At Boars Head Road	1.28	360	790	1,040	1,762
At cross section C	1.21	360	790	1,041	1,763
At cross section D	1.02	360	791	1,043	1,767
At cross section F	0.53	240	520	683	1,151
LAKE CREEK TRIBUTARY NO. 3					
At cross section A	3.83	762	1,754	2,344	4,099
At cross section C	2.89	681	1,601	2,197	3,816
At cross section F	1.69	533	1,220	1,627	2,805
At cross section G	0.69	237	548	732	1,266
At cross section I	0.29	127	286	380	651

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
LANDRUM CREEK					
At cross section A	10.18	2,368	4,749	6,106	9,972
At cross section B	8.12	1,962	3,878	4,964	8,055
At Spring Branch Road	7.88	2,066	4,145	5,312	8,629
At cross section G	3.42	1,124	2,214	2,832	4,585
At cross section I	2.47	1,075	2,110	2,695	4,353
At cross section J	0.67	367	720	919	1,483
SPRING BRANCH NO. 2					
At cross section A	1.84	536	1,151	1,518	2,551
At cross section B	1.57	590	1,261	1,651	2,766
At Spring Branch Road	0.33	179	382	500	834
At cross section H	0.15	79	167	218	362
LAKE CREEK TRIBUTARY NO. 4					
At Jackson Road	4.88	611	1,795	2,553	4,864
At FM 1486	1.78	361	1,069	1,519	2,890
At cross section G	0.92	215	629	892	1,690
LAKE CREEK TRIBUTARY NO. 5					
At cross section A	2.87	1,004	1,952	2,488	4,005
At cross section C	1.70	818	1,587	2,056	3,308
At Tri-Lake Road	0.72	445	858	1,091	1,749
At cross section G	0.48	309	592	752	1,203
CANEY CREEK NO. 2					
At Chicago, Rock Island & Pacific Railroad and Fort Worth and Denver Railway	58.28	6,681	13,841	17,990	29,925
At Old Highway 105	51.95	6,528	13,579	17,662	29,403
At cross section K	40.48	6,625	13,840	18,005	29,955
LAKE CREEK TRIBUTARY NO. 6					
At Old Highway 105	0.67	340	670	850	1,390
At State Route 1486	0.55	301	589	751	1,212
At cross section H	0.33	205	399	509	819

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
LAKE CREEK TRIBUTARY NO. 7					
At Chicago, Rock Island & Pacific Railroad and Fort Worth and Denver Railway	1.41	574	1,115	1,420	2,284
At Mount Mariah Road	0.65	403	779	991	1,590
At cross section H	0.37	222	428	544	872
LITTLE CANEY CREEK NO. 3					
At Chicago, Rock Island & Pacific Railroad and Fort Worth and Denver Railway	37.20	5,069	10,363	13,406	22,126
At Mount Mariah Road	35.22	5,149	10,543	13,647	22,534
At cross section I	32.82	5,402	11,089	14,355	23,703
At cross section K	29.08	5,508	11,353	14,714	24,336
KIDHAW BRANCH					
At cross section A	3.78	908	2,128	2,856	4,978
At cross section B	2.19	647	1,509	2,022	3,516
At State Route 149	0.83	364	846	1,132	1,964
At cross section F	0.36	148	342	456	789
LITTLE LAKE CREEK					
At cross section A	25.42	3,203	7,173	9,521	16,355
At FM 149	20.32	3,031	6,857	9,124	15,725
At cross section G	14.61	2,243	5,216	6,990	12,171
At cross section I	12.31	2,217	5,192	6,973	12,212
At cross section J	7.26	1,395	3,264	4,375	7,616
At cross section K	4.86	1,069	2,539	3,398	5,897
At cross section M	2.32	701	1,612	2,151	3,713
At cross section N	0.94	456	1,046	1,395	2,405
At cross section O	0.28	128	288	381	652
LITTLE LAKE CREEK TRIBUTARY NO. 1					
At Mac Road	0.66	201	482	650	1,142
At cross section C	0.53	198	468	629	1,099

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
LITTLE LAKE CREEK					
TRIBUTARY NO. 2					
At Big Oak Drive	0.63	191	458	617	1,083
At Parkway Lane	0.55	186	441	594	1,040
At cross section K	0.41	156	368	494	863
LITTLE LAKE CREEK					
TRIBUTARY NO. 3					
At cross section A	1.57	385	923	1,246	2,190
At cross section D	0.64	232	551	741	1,296
LITTLE LAKE CREEK					
TRIBUTARY NO. 4					
At cross section A	1.17	449	978	1,286	2,169
At FM 149	0.74	309	672	883	1,489
At cross section D	0.34	168	361	473	794
LITTLE LAKE CREEK					
TRIBUTARY NO. 5					
At cross section A	5.16	1,400	2,932	3,817	6,472
At Bailey Grove Road	3.67	1,101	2,285	2,965	4,913
At cross section E	1.19	557	1,157	1,501	2,480
At cross section F	0.36	205	419	542	889
POLE CREEK					
At cross section A	3.54	651	1,548	2,087	3,668
At cross section B	3.01	623	1,489	2,008	3,529
At cross section D	2.60	696	1,658	2,234	3,916
At cross section F	1.18	390	930	1,254	2,197
At cross section G	0.40	151	356	479	836
SAND BRANCH NO. 2					
At cross section A	1.73	462	1,100	1,482	2,597
At cross section C	1.06	367	872	1,173	2,051
At cross section D	0.36	144	336	450	781
At cross section E	0.05	23	51	68	117
CANEE CREEK NORTH					
At cross section A	40.16	3,319	7,482	9,968	17,252
At cross section D	33.90	3,082	6,999	9,333	16,174
At FM 1375	28.05	2,819	6,448	8,621	14,989
At cross section M	18.36	2,390	5,544	7,429	12,943
At cross section Q	11.74	2,035	4,763	6,394	11,158
At FM 1791	8.12	1,383	3,232	4,337	7,563
At Forest Service Road #209	4.53	1,126	2,636	3,537	6,163
At cross section Y	1.92	610	1,440	1,935	3,376
At cross section AA	0.58	229	530	709	1,228

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
KELLY BRANCH					
At cross section A	2.19	470	1,127	1,524	2,688
At Osborn Road	1.38	409	983	1,328	2,335
At cross section E	0.73	270	640	861	1,504
GREEN BRANCH					
At cross section A	0.75	237	564	759	1,329
At cross section D	0.37	142	333	446	776
At cross section E	0.13	56	130	173	300
CANEY CREEK NORTH TRIBUTARY NO. 1					
At cross section A	1.19	373	891	1,201	2,105
At cross section B	0.91	326	772	1,038	1,814
At cross section C	0.24	99	230	309	537
ANTHONY BRANCH					
At cross section A	3.64	722	1,721	2,320	4,072
At cross section B	2.97	747	1,791	2,418	4,250
At cross section D	1.35	400	981	1,325	2,330
At FM 149	0.48	191	449	602	1,048
CANEY CREEK NORTH TRIBUTARY NO. 2					
At cross section A	1.54	376	901	1,216	2,140
At Forest Glen Drive	1.23	377	904	1,220	2,144
At Rose Road	0.92	317	757	1,020	1,789
At FM 149	0.67	252	597	802	1,401
CANEY CREEK NORTH TRIBUTARY NO. 3					
At cross section A	1.13	319	789	1,066	1,874
At cross section B	0.65	228	543	732	1,281
At cross section D	0.06	27	61	81	140
BAY BRANCH					
At FM 1795	3.27	941	2,166	2,891	4,995
At cross section C	1.78	567	1,297	1,728	2,979
At FM 149	0.53	209	478	637	1,098
WHITE OAK CREEK					
At cross section A	23.47	4,657	6,767	7,830	10,239
At cross section E	20.49	4,275	6,181	7,133	9,420
At Loop 494	18.31	3,812	5,495	6,338	8,356
At U. S. Route 59	17.50	3,648	5,250	6,052	7,930

TABLE 1 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
WHITE OAK CREEK (continued)					
At cross section T	12.94	3,201	4,590	5,283	6,879
At cross section W	11.10	2,900	4,145	4,766	6,162
At cross section Y	9.76	2,657	3,790	4,353	5,611
At cross section AA	5.20	1,378	3,015	3,970	6,718
At Old Houston Road	0.59	192	419	552	935
At FM 1314	0.55	189	415	546	924
At cross section AG	0.45	183	401	528	892
SILVERDALE CREEK					
At cross section A	1.97	541	1,116	1,482	2,573
Upstream side of Interstate Routes 45 and 75	1.19	394	814	1,067	1,811
At cross section E	0.98	361	755	997	1,695

To establish the elevations for the county that is flooded by backwater from Lake Conroe and Lewis Creek Reservoir, a reservoir routing operation was performed through the use of the SCS Computer Program for Project Formulation (Reference 12). The results of the reservoir routing are summarized in Table 2, "Summary of Elevations."

TABLE 2 - SUMMARY OF STILLWATER ELEVATIONS

<u>FLOODING SOURCE AND LOCATION</u>	<u>ELEVATION (feet)</u>			
	<u>10-YEAR</u>	<u>50-YEAR</u>	<u>100-YEAR</u>	<u>500-YEAR</u>
<u>LAKE CONROE</u>				
At dam	202.6	202.7	202.8	203.2
<u>LEWIS CREEK RESERVOIR</u>				
At dam	267.0	267.6	267.7	268.1

3.2 Hydraulic Analyses

Analyses of the hydraulic characteristics of flooding from the sources studied were carried out to provide estimates of the elevations of floods of the selected recurrence intervals.

Cross section data for the stream in the study area were obtained by field surveys. All bridges, dams, and culverts were field checked to obtain elevation data and structural geometry.

Locations of selected cross sections used in the hydraulic analyses are shown on the Flood Profiles (Exhibit 1). For stream segments for which a floodway was computed (Section 4.2), selected cross section locations are also shown on the Flood Boundary and Floodway Map (Exhibit 2). Along certain portions of Bens Branch, a profile base line is shown on the maps to represent channel distances as indicated on the flood profiles and floodway data tables.

Channel roughness factors (Manning's "n") for the streams studied by detailed methods were assigned on the basis of field inspections of floodplain areas. Channel "n" and overbank "n" values for streams studied by detailed methods are shown in the following tabulation:

<u>Stream</u>	<u>Channel "n"</u>	<u>Overbank "n"</u>
West Fork of San Jacinto River	0.060-0.125	0.060-0.125
Woodsons Gully	0.080	0.150
White Oak Creek-West	0.050-0.100	0.125-0.150
White Oak Creek-West Tributary No. 1	0.050-0.100	0.125-0.150
Crystal Creek	0.040-0.070	0.080-0.150
Crystal Creek Tributary No. 1	0.055-0.060	0.120-0.150
West Fork of Crystal Creek	0.040-0.065	0.080-0.150
Crystal Creek Tributary No. 2	0.050-0.060	0.120-0.150
Crystal Creek Tributary No. 3	0.040-0.060	0.100-0.120
Crystal Creek Tributary No. 4	0.050-0.060	0.120-0.150
Crystal Creek Tributary No. 5	0.060	0.140-0.150
Carters Slough	0.060-0.120	0.140-0.150
Sandy Branch	0.060-0.075	0.100-0.150
Gleneagles Diversion Ditch	0.030-0.045	0.130
Little Caney Creek	0.045-0.065	0.080-0.150
Stewarts Creek	0.040-0.075	0.060-0.150
Stewarts Creek Tributary No. 1	0.050-0.060	0.100-0.150
Grand Lake Creek	0.050-0.070	0.100-0.150
Alligator Creek	0.060-0.070	0.130-0.150
White Oak Creek-North	0.030-0.060	0.095-0.150
Egypt Creek	0.040-0.085	0.080-0.150
Sand Branch	0.040-0.085	0.100-0.140
Base Creek *	0.030-0.060	0.080-0.140
Bens Branch	0.070-0.110	0.125-0.140
Bens Branch Tributary No. 1	0.055-0.090	0.080-0.140
Bens Branch Tributary No. 2	0.035	0.095-0.140
Caney Creek	0.040-0.070	0.060-0.150
Caney Creek Tributary No. 1	0.060-0.090	0.120-0.150
Dry Creek	0.055-0.080	0.110-0.150
Spring Branch	0.060	0.130-0.150

* Data Provided by COE

<u>Stream</u>	<u>Channel "n"</u>	<u>Overbank "n"</u>
West Fork of Spring Branch	0.040-0.070	0.120-0.150
McRae Creek	0.040-0.090	0.090-0.150
Camp Creek	0.060-0.080	0.110-0.150
Caney Creek Tributary No. 2	0.040-0.090	0.010-0.150
Little Caney Creek No. 2	0.060-0.070	0.070-0.120
Caney Creek Tributary No. 3	0.060	0.050-0.120
Peach Creek	0.045-0.070	0.100-0.150
Peach Creek Tributary No. 1	0.045-0.060	0.060-0.140
Waterhole Branch	0.060	0.140-0.150
Gully Branch	0.060-0.070	0.110-0.150
Peach Creek Tributary No. 2	0.050-0.080	0.130-0.140
Hightower Branch	0.060-0.070	0.140-0.150
Jayhawker Creek	0.050-0.080	0.100-0.150
Bee Branch	0.050-0.080	0.140-0.150
Lawrence Creek	0.060-0.070	0.130-0.150
Duck Creek	0.060-0.070	0.130-0.150
Peach Creek Tributary No. 3	0.050-0.070	0.110-0.150
Spring Creek	0.060-0.080	0.175
Sam Bell Gully Diversion Channel	0.040	0.040
Tributary to Sam Bell Gully		
Diversion Channel	0.040	0.040
Sam Bell Gully	0.014-0.070	0.125-0.175
Panther Branch	0.014-0.100	0.014-0.160
Panther Branch Tributary No. 1	0.012-0.018	0.030-0.125
Bear Branch	0.045-0.125	0.070-0.150
Panther Branch Tributary No. 2	0.035-0.110	0.060-0.150
Dry Creek No. 2	0.040-0.130	0.035-0.150
Dry Creek No. 2 Tributary No. 1	0.025-0.120	0.120-0.150
Mill Creek	0.040-0.120	0.075-0.150
Decker Branch	0.035-0.080	0.030-0.150
Goodson Branch	0.045-0.090	0.090-0.150
Decker Branch Tributary No. 1	0.050-0.080	0.050-0.150
Mill Creek Tributary No. 1	0.100-0.130	0.130-0.150
Mill Creek Tributary No. 2	0.040-0.120	0.050-0.150
Mill Creek Tributary No. 3	0.045-0.080	0.030-0.110
Mill Creek Tributary No. 4	0.080-0.100	0.150
Mill Creek Tributary No. 5	0.080-0.110	0.050-0.150
Walnut Creek	0.050-0.090	0.130-0.150
Sulphur Branch	0.040-0.100	0.070-0.150
Walnut Creek Tributary No. 1	0.100-0.110	0.150
Mink Branch	0.045-0.110	0.060-0.150
Arnold Branch	0.050-0.110	0.040-0.150
Log Gully	0.050-0.085	0.110-0.150
Brushy Creek	0.045-0.070	0.140
Threemile Creek	0.065	0.140
Mills Branch	0.060	0.110-0.120

* Data provided by COE

<u>Stream</u>	<u>Channel "n"</u>	<u>Overbank "n"</u>
East Fork of San Jacinto River	0.050-0.070	0.130-0.150
Church House Gully	0.065	0.150
Orton Bully	0.060	0.140-0.150
Live Branch	0.060-0.125	0.125-0.150
Bell Creek	0.040-0.150	0.040-0.100
Lewis Creek	0.100	0.060-0.090
Weirs Creek	0.045-0.070	0.060-0.150
Chambers Creek	0.040-0.100	0.060-0.125
Shepard Branch	0.035-0.060	0.060
Weirs Creek Tributary No. 1	0.060-0.080	0.060-0.150
Hosstetter Creek	0.035-0.060	0.060-0.150
Gum Branch	0.100	0.100-0.150
Rush Creek	0.030-0.080	0.060-0.150
Rush Creek Tributary No. 1	0.040-0.060	0.080-0.150
Rush Creek Tributary No. 2	0.040-0.045	0.060-0.125
Martin Creek	0.045-0.050	0.060-0.125
Stewart Creek North	0.050-0.100	0.060-0.150
Atkins Creek	0.040-0.100	0.060-0.125
Town Creek	0.100-0.150	0.050-0.150
Town Creek Tributary No. 1	0.080-0.150	0.060-0.150
Town Creek Tributary No. 2	0.060-0.100	0.110-0.125
Carville Creek	0.100-0.110	0.060-0.100
Lake Creek	0.040-0.080	0.060-0.150
Fish Creek	0.040-0.060	0.090-0.150
Mound Creek	0.030-0.080	0.050-0.150
Deer Lake Branch	0.050-0.080	0.150
Mound Creek Tributary No. 1	0.040-0.070	0.125-0.150
Lake Creek Tributary No. 1	0.110-0.150	0.125-0.150
Lake Creek Tributary No. 2	0.050-0.070	0.125-0.150
Lake Creek Tributary No. 3	0.060-0.100	0.125-0.150
Landrum Creek	0.040-0.080	0.060-0.150
Spring Branch No. 2	0.040-0.060	0.060-0.150
Lake Creek Tributary No. 4	0.045-0.070	0.150
Lake Creek Tributary No. 5	0.040-0.050	0.060-0.140
Caney Creek No. 2	0.045-0.110	0.035-0.150
Lake Creek Tributary No. 6	0.065-0.090	0.070-0.150
Lake Creek Tributary No. 7	0.050-0.080	0.060-0.080
Little Caney Creek No. 3	0.030-0.070	0.060-0.150
Kidhaw Branch	0.050-0.100	0.060-0.150
Little Lake Creek	0.080-0.125	0.080-0.150
Little Lake Creek Tributary No. 1	0.110-0.125	0.100-0.150
Little Lake Creek Tributary No. 2	0.110	0.150
Little Lake Creek Tributary No. 3	0.035-0.075	0.100-0.150
Little Lake Creek Tributary No. 4	0.060-0.080	0.080-0.125
Little Lake Creek Tributary No. 5	0.040-0.080	0.060-0.150
Pole Creek	0.045-0.060	0.150
Sand Branch No. 2	0.045-0.100	0.150
Caney Creek North	0.040-0.110	0.040-0.150

<u>Stream</u>	<u>Channel "n"</u>	<u>Overbank "n"</u>
Kelly Branch	0.045-0.110	0.060-0.150
Green Branch	0.125	0.150
Caney Creek North Tributary No. 1	0.125	0.150
Anthony Branch	0.070-0.080	0.090-0.150
Caney Creek North Tributary No. 2	0.060-0.125	0.060-0.150
Caney Creek North Tributary No. 3	0.060-0.080	0.125-0.150
Bay Branch	0.060-0.125	0.125-0.150
White Oak Creek	0.055-0.150	0.075-0.150
Silverdale Creek	0.050-0.150	0.075-0.150

Water-surface elevations of floods of the selected recurrence intervals for Bens Branch, Bens Branch Tributary No. 2, and Panther Branch from upstream of Woodlands Parkway to approximately 1,940 feet upstream of Research Forest Drive were computed using the COE HEC-2 computer program (Reference 14). Water-surface elevations of floods of the selected recurrence intervals for the remaining streams were computed using the SCS WSP-2 computer program (Reference 15). Flood profiles were drawn showing computed water-surface elevations for floods of the selected recurrence intervals. Water-surface profiles for Spring Creek were provided by the COE. Water-surface profile information for Grand Lake Creek from cross section F to the corporate limits of the City of Conroe and from Alligator Creek from station 17670 to Old Montgomery Road were extracted from the Flood Insurance Study for the City of Conroe (Reference 16). Water-surface profile information for Stewarts Creek from cross section L through cross section R was also extracted from the City of Conroe study (Reference 16).

Starting water-surface elevations for the East Fork of San Jacinto River, Caney Creek, Bens Branch, and the West Fork of San Jacinto River were provided by the COE. Starting water-surface elevations for White Oak Creek - West and White Oak Creek - West Tributary No. 1 were calculated using elevations from the parent stream for that flooding source. Starting water-surface elevations for Brushy Creek were based on assumed slopes where Brushy Creek approaches the Spring Creek floodplain. Starting water-surface elevations for all other streams were determined using normal depth calculations.

All elevations are referenced to the National Geodetic Vertical Datum of 1929 (NGVD). Elevation reference marks used in this study are shown on the maps.

The hydraulic analyses for this study were based on unobstructed flow. The flood elevations shown on the profiles are thus considered valid only if hydraulic structures remain unobstructed, operate properly, and do not fail.

4.0 FLOODPLAIN MANAGEMENT APPLICATIONS

The National Flood Insurance Program encourages State and local governments to adopt sound floodplain management programs. Therefore, each Flood Insurance Study produces maps designed to assist communities in developing floodplain management measures.

4.1 Floodplain Boundaries

To provide a national standard without regional discrimination, the 1 percent annual chance (100-year) flood has been adopted by FEMA as the base flood for floodplain management purposes. The 0.2 percent annual chance (500-year) flood is employed to indicate additional areas of flood risk in the community. For each stream studied in detail, the 100- and 500-year floodplain boundaries have been delineated using the flood elevations determined at each cross section. Between cross sections, the boundaries were interpolated using topographic maps at a scale of 1:24,000 with contour intervals of 5 and 10 feet (Reference 5). For Bens Branch and Bens Branch Tributary No. 2, the boundaries were interpolated using topographic maps at a scale of 1:12,000 with a contour interval of 2 feet (Reference 17). For the revised portion of Panther Branch, the boundaries were interpolated using topographic maps at a scale of 1:1,200 with a contour interval of 1 foot (Reference 18).

For the streams studied by approximate methods, only the 100-year floodplain boundaries have been shown. The approximate boundaries for this study were delineated using the previous Flood Insurance Study for the unincorporated areas of Montgomery County (Reference 19).

The 100- and 500-year floodplain boundaries are shown on the Flood Boundary and Floodway Map (Exhibit 2). In cases where the 100- and 500-year floodplain boundaries are close together, only the 100-year floodplain boundary has been shown. Small areas within the floodplain boundaries may lie above the flood elevations but cannot be shown due to limitations of the map scale and/or lack of detailed topographic data.

4.2 Floodways

Encroachment on floodplains, such as structures and fill, reduces flood-carrying capacity, increases flood heights and velocities, and increases flood hazards in areas beyond the encroachment itself. One aspect of floodplain management involves balancing the economic gain from floodplain development against the resulting increase in flood hazard. For purposes of the National Flood Insurance Program, a floodway is used as a tool to assist local communities in this aspect of floodplain management. Under this concept, the area of the 100-year floodplain is divided into a floodway and a floodway

fringe. The floodway is the channel of a stream, plus any adjacent floodplain areas, that must be kept free of encroachment so that the 100-year flood can be carried without substantial increases in flood heights. Minimum federal standards limit such increases to 1.0 foot, provided that hazardous velocities are not produced. The floodways in this study are presented to local agencies as a minimum standard that can be adopted directly or that can be used as a basis for additional floodway studies.

The floodways presented in this study were computed on the basis of equal conveyance reduction from each side of the floodplain. The results of these computations are tabulated at selected cross sections for each stream segment for which a floodway is computed (Table 3). Portions of the floodway widths for Crystal Creek, Stewarts Creek, Grand Lake Creek, Alligator Creek, Bens Branch, Caney Creek, Peach Creek, Spring Creek, Walnut Creek, Arnold Branch, the East Fork of San Jacinto River, Lake Creek, Caney Creek No. 2, and Little Caney Creek No. 3 extend beyond the county boundary.

As shown on the Flood Boundary and Floodway Map (Exhibit 2), the floodway boundaries were computed at cross sections. Between cross sections, the boundaries were interpolated. In cases where the floodway and 100-year floodplain boundaries are either close together or collinear, only the floodway boundary has been shown.

The area between the floodway and 100-year floodplain boundaries is termed the floodway fringe. The floodway fringe encompasses the portion of the floodplain that could be completely obstructed without increasing the water-surface elevation of the 100-year flood by more than 1.0 foot at any point. Typical relationships between the floodway and the floodway fringe and their significance to floodplain development are shown in Figure 10.

Near the mouths of streams studied in detail, floodway computations are made without regard to flood elevations on the receiving water body. Therefore, "Without Floodway" elevations presented in Table 3 for certain downstream cross sections of Little Caney Creek, Sand Branch, Base Creek, Bens Branch Tributary No. 2, Rush Creek, and Rush Creek Tributary No. 1 are lower than the regulatory flood elevations in that area, which must take into account the 100-year flooding due to backwater from other sources.

5.0 INSURANCE APPLICATION

To establish actuarial insurance rates, data from the engineering study must be transformed into flood insurance criteria. This process includes the determination of reaches, Flood Hazard Factors, and flood insurance zone designations for each flooding source studied in detail in Montgomery County.

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
West Fork of San Jacinto River								
A ²	0	3,279	50,824	2.92	65.7	65.7	66.7	1.0
B ²	1,954	3,370	55,701	1.75	66.8	66.8	67.8	1.0
C	7,656	3,740	60,766	1.61	68.5	68.5	69.5	1.0
D	14,203	3,813	50,235	1.95	71.3	71.3	72.3	1.0
E	19,800	3,755	56,877	1.72	72.2	72.2	73.2	1.0
F	24,182	2,626	43,199	2.27	73.5	73.5	74.5	1.0
G	29,938	3,761	49,975	1.97	77.2	77.2	78.2	1.0
H	38,069	3,534	41,091	2.40	79.6	79.6	80.6	1.0
I	40,814	1,732	27,926	3.53	81.4	81.4	82.4	1.0
J	52,272	2,306	30,045	3.29	87.7	87.7	88.7	1.0
K	57,024	4,227	47,871	2.07	89.8	89.8	90.8	1.0
L	65,208	5,986	73,455	1.35	91.3	91.3	92.3	1.0
M	71,016	4,032	43,772	2.27	94.9	94.9	95.9	1.0
N	74,448	3,779	48,709	2.04	96.4	96.4	97.4	1.0
O	79,992	4,104	47,298	2.10	98.6	98.6	99.6	1.0
P	86,170	2,986	39,258	2.53	102.2	102.2	103.2	1.0
Q	91,872	5,658	58,184	1.71	104.7	104.7	105.7	1.0
R	97,944	3,597	47,054	2.12	107.9	107.9	108.9	1.0
S	102,696	5,213	58,528	1.71	109.6	109.6	110.6	1.0
T	109,560	4,520	53,787	1.82	112.6	112.6	113.6	1.0
U	115,738	4,637	56,630	1.73	115.1	115.1	116.1	1.0
V	116,688	5,484	65,117	1.50	115.4	115.4	116.4	1.0
W	121,176	6,084	61,834	1.59	117.4	117.4	118.4	1.0

¹Feet above county limits.

²Cross section outside county limits, not shown on map.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

WEST FORK OF SAN JACINTO RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
West Fork of San Jacinto River (continued)								
X	127,248	4,300	56,958	1.72	119.3	119.3	120.3	1.0
Y	132,370	5,877	60,319	1.63	121.2	121.2	122.2	1.0
Z	138,389	3,921	52,898	1.86	123.6	123.6	124.6	1.0
AA	140,554	4,596	57,831	1.68	124.4	124.4	125.4	1.0
AB	140,818	4,225	58,115	1.67	125.5	125.5	126.5	1.0
AC	140,923	4,855	65,763	1.48	125.8	125.8	126.8	1.0
AD	141,082	4,790	67,985	1.43	126.4	126.4	127.4	1.0
AE	142,824	4,907	70,193	1.39	126.8	126.8	127.8	1.0
AF	147,048	6,666	76,533	1.27	128.1	128.1	129.1	1.0
AG	152,064	5,592	76,869	1.27	129.3	129.3	130.3	1.0
AH	157,608	5,757	75,375	1.30	130.8	130.8	131.8	1.0
AI	159,720	4,535	53,617	1.83	131.9	131.9	132.9	1.0
AJ	162,888	4,402	52,160	1.88	133.6	133.6	134.6	1.0
AK	167,482	4,404	45,647	1.84	137.2	137.2	138.2	1.0
AL	173,237	4,735 ²	52,914	1.59	139.2	139.2	140.2	1.0
AM	177,672	4,878 ²	53,737	1.92	141.9	141.9	142.9	1.0
AN	184,114	4,110	43,050	1.95	145.3	145.3	146.3	1.0
AO	185,381	4,248	45,851	1.83	146.1	146.1	147.1	1.0
AP	185,539	4,267	43,723	1.92	146.7	146.7	147.7	1.0
AQ	185,645	4,880 ²	62,185	1.35	148.5	148.5	149.5	1.0
AR	189,288	5,218 ²	49,574	1.68	150.1	150.1	151.1	1.0
AS	195,941	4,533	60,825	1.37	151.4	151.4	152.4	1.0
AT	199,637	4,058	47,430	1.76	153.6	153.6	154.6	1.0

¹Feet above county limits.

²This width extends beyond county boundary.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

WEST FORK OF SAN JACINTO RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
(FEET NGVD)								
West Fork of San Jacinto River (continued)								
AU	203,650 ¹	2,573	36,365	2.30	156.0	156.0	157.0	1.0
AV	206,606 ¹	1,764	29,873	2.79	157.7	157.7	158.7	1.0
AW	206,712 ¹	1,753	30,800	2.71	158.2	158.2	159.2	1.0
AX	214,210 ¹	2,095	35,862	2.32	161.6	161.6	162.6	1.0
AY	218,856 ¹	1,968	36,715	2.27	165.2	165.2	166.2	1.0
AZ	222,869 ¹	3,677	74,230	1.12	165.5	165.5	166.5	1.0
Woodsons Gully								
A	6,930 ²	731	4,162	0.92	81.2	81.2	82.2	1.0
B	9,482 ²	767	2,597	1.50	86.1	86.1	87.1	1.0
*C	17,952 ²	483	1,016	2.55	91.3	91.3	91.8	0.5
D	31,361 ²	1,519	2,813	0.87	102.4	102.4	103.4	1.0
E	31,461 ²	1,439	2,839	0.96	102.4	102.4	103.4	1.0
*F	35,859 ²	300	1,474	1.55	106.1	106.1	106.6	0.5
G	39,386 ²	438	1,609	1.26	107.7	107.7	108.7	1.0
*H	46,144 ²	745	1,174	0.89	111.0	111.0	111.5	0.5
White Oak Creek - West								
A	8,950 ³	291	1,661	1.85	108.9	108.9	109.9	1.0

¹Feet above county limits

²Feet above mouth

³Feet above confluence with West Fork San Jacinto River

*The 100-year storm discharge is
contained within the width of the
existing channel at this depth

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

WEST FORK OF SAN JACINTO RIVER — WOODSONS GULLY — WHITE OAK CREEK - WEST

44

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
White Oak Creek - West Tributary No. 1								
A	3,400 ¹	100	185	0.21	115.4	115.4	116.1	0.7
B	4,850 ¹	128	376	0.61	117.4	117.4	118.4	1.0
C	6,450 ¹	215	367	0.80	122.1	122.1	123.1	1.0
Crystal Creek								
A	7,729 ²	177	2,126	3.31	111.8	111.8	112.8	1.0
B	12,239 ²	151	1,504	4.49	115.9	115.9	116.9	1.0
*C	14,761 ²	284	1,834	3.66	119.3	119.3	119.3	0.0
*D	14,861 ²	192	1,502	4.47	119.4	119.4	119.9	0.5
E	19,410 ²	157	1,617	4.11	126.8	126.8	127.8	1.0
F	20,216 ²	493	4,189	1.48	127.5	127.5	128.5	1.0
G	20,316 ²	444	4,512	1.37	127.8	127.8	128.8	1.0
H	24,484 ²	448	2,741	2.24	132.3	132.3	133.3	1.0
I	27,198 ²	124	1,311	4.66	136.6	136.6	137.6	1.0
J	30,046 ²	175	1,803	3.36	139.4	139.4	140.4	1.0
K	30,146 ²	266	2,651	2.29	139.7	139.7	140.7	1.0
L	32,989 ²	233	1,994	3.03	143.2	143.2	144.2	1.0
M	33,972 ²	255	2,076	2.39	144.9	144.0	145.0	1.0
N	34,172 ²	284	2,253	2.20	144.3	144.3	145.3	1.0

¹Feet above confluence with White Oak Creek - West

²Feet above mouth

*The 100-year storm discharge is contained within the top width of the existing channel at this depth

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

WHITE OAK CREEK - WEST TRIBUTARY NO. 1 — CRYSTAL CREEK

45

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY (FEET NGVD)	INCREASE
Crystal Creek (continued)								
O	38,232	464	2,424	2.05	149.3	149.3	150.3	1.0
P	38,332	319	2,400	2.07	149.6	149.6	150.6	1.0
Q	43,194	482	2,662	1.86	156.3	156.3	157.3	1.0
R	43,294	477	3,543	1.40	156.6	156.6	157.6	1.0
S	46,881	326	1,956	2.53	161.4	161.4	162.4	1.0
T	51,423	732	2,931	1.66	167.2	167.2	168.2	1.0
U	51,548	361	3,115	1.56	167.5	167.5	168.5	1.0
V	55,624	196	1,582	3.01	173.8	173.8	174.8	1.0
W	58,511	215	2,281	2.08	175.5	175.5	176.5	1.0
*X ²	61,099	174	1,335	3.34	178.7	178.7	179.2	0.5
*Y ²	61,299	201	1,390	3.21	179.1	179.1	179.6	0.5
Z	65,330	321	1,618	2.75	186.5	186.5	187.5	1.0
AA	68,266	146 ³	1,241	3.58	190.8	190.8	191.8	1.0
AB	69,564	201	1,551	2.72	192.7	192.7	193.7	1.0
AC	73,834	346	1,907	2.20	199.2	199.2	200.2	1.0
AD	73,934	186	1,477	2.84	200.0	200.0	201.0	1.0
AE	76,524	711	2,605	1.60	203.5	203.5	204.5	1.0
AF	78,935	187	1,402	2.96	207.0	207.0	208.0	1.0
AG	79,035	161	1,321	3.14	207.6	207.6	208.6	1.0
AH	80,497	422	2,923	1.42	208.8	208.8	209.8	1.0
AI	80,597	440	2,844	1.46	208.8	208.8	209.8	1.0
AJ	83,184	198	1,213	3.15	214.3	214.3	215.3	1.0
AK	88,682	171	1,148	3.24	223.1	223.1	224.1	1.0
AL	88,782	330	2,973	1.25	225.0	225.0	226.0	1.0
AM	95,980	223	1,504	2.17	236.8	236.8	237.8	1.0

¹Feet above mouth.

³Floodway width extends beyond county limits.

²Cross section not shown on map; lies outside the county limits.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

CRYSTAL CREEK

46

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Crystal Creek (continued)								
AN	102,152	137	948	2.85	248.8	248.8	249.8	1.0
AO	105,904	152	928	1.76	255.2	255.2	256.2	1.0
AP	109,204	142	725	2.20	265.5	265.5	266.5	1.0
AQ	115,031	102	535	2.72	285.6	285.6	286.6	1.0
AR	116,430	216	1,115	1.09	291.4	291.4	292.4	1.0
AS	117,143	219	1,000	1.16	294.6	294.6	295.6	1.0
AT	120,351	27	183	4.59	309.1	309.1	310.1	1.0
*AU	123,013	41	190	3.59	320.9	320.9	321.4	0.5
*AV	126,782	46	143	3.16	344.7	344.7	345.2	0.5
*AW ²	126,882	84	264	1.71	345.9	345.9	346.4	0.5
*AX ²	128,122	52	97	2.49	356.2	356.2	356.7	0.5
*AY ²	128,242	29	119	2.03	358.3	358.3	358.8	0.5
*AZ ²	128,564	23	47	3.66	360.8	360.8	361.3	0.5
Crystal Creek Tributary No. 1								
*A	2,091	77	620	2.65	128.5	128.5	129.0	0.5
*B	4,910	48	368	4.28	135.0	135.0	135.5	0.5
*C	6,895	60	417	3.71	139.0	139.0	139.5	0.5
*D	9,859	73	430	3.60	145.4	145.4	145.9	0.5
*E	9,959	60	397	3.90	145.9	145.9	146.4	0.5
*F	12,573	116	439	3.53	150.8	150.8	150.8	0.0
*G	14,767	65	326	3.86	156.4	156.4	156.9	0.5
H	14,867	192	1,359	0.93	159.4	159.4	160.4	1.0
I	17,223	30	248	4.39	165.1	165.1	166.1	1.0
J	19,836	95	332	2.63	172.0	172.0	173.0	1.0

¹Feet above mouth.

²Cross section not shown on map; lies outside the county limits.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

CRYSTAL CREEK- CRYSTAL CREEK TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
West Fork of Crystal Creek								
A	734	151	1,360	1.83	143.8	143.8	144.8	1.0
B	934	157	1,294	1.93	144.0	144.0	145.0	1.0
C	4,425	110	913	2.71	148.7	148.7	149.7	1.0
*D	8,702	111	756	3.14	155.3	155.3	155.6	0.5
E	8,802	186	1,280	1.86	155.8	155.8	156.8	1.0
*F	10,652	116	772	3.09	158.8	158.8	159.3	0.5
G	13,266	89	640	3.74	163.6	163.6	164.6	1.0
H	21,079	113	667	2.86	176.2	176.2	177.2	1.0
I	23,784	256	1,048	1.52	180.5	180.5	181.5	1.0
J	24,904	253	1,006	1.56	182.9	182.9	183.9	1.0
K	25,004	195	941	1.66	183.3	183.3	184.3	1.0
L	26,313	115	556	2.77	186.6	186.6	187.6	1.0
M	27,604	109	561	2.69	189.6	189.6	190.6	1.0
N	27,704	251	1,300	1.16	190.8	190.8	191.8	1.0
*O ²	30,829	110	515	2.82	195.9	195.9	196.4	0.5
P ²	30,929	72	466	3.12	196.6	196.6	197.6	1.0
*Q	34,030	71	416	3.40	202.7	202.7	203.2	0.5
Crystal Creek Tributary No. 2								
A	740	87	260	1.79	165.5	165.5	166.5	1.0
*B	815	50	64	7.24	172.6	172.6	172.6	0.0
C	2,649	174	442	0.95	175.7	175.7	176.7	1.0
D	2,749	142	218	1.97	175.8	175.8	176.8	1.0

¹Feet above mouth

²Cross section not shown on map; lies outside the county limits.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

WEST FORK OF CRYSTAL CREEK-CRYSTAL CREEK TRIBUTARY NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Crystal Creek Tributary No. 2 (cont.)								
*E	3,782	192	376	1.06	176.7	176.7	177.2	0.5
F	3,882	56	241	1.65	179.0	179.0	180.0	1.0
*G	4,230	60	135	2.35	180.7	180.7	181.2	0.5
Crystal Creek Tributary No. 3								
*A ²	2,341	70	282	3.52	181.0	181.0	181.0	0.0
*B ²	2,491	69	231	4.30	181.4	181.4	181.4	0.0
*C ²	3,543	70	263	3.86	184.5	184.5	185.0	0.5
D ²	3,643	107	419	2.42	185.5	185.5	186.5	1.0
E	4,703	89	387	2.87	188.0	188.0	189.0	1.0
Crystal Creek Tributary No. 4								
A	1,318	135	996	0.89	191.6	191.6	192.6	1.0
B	3,284	31	200	4.53	197.9	197.9	198.9	1.0
*C	3,725	63	183	2.73	200.2	200.2	200.7	0.5
*D	5,747	50	161	2.95	208.8	208.8	209.3	0.5
*E	5,847	71	323	1.47	210.2	210.2	210.7	0.5
*F	6,371	197	155	2.99	212.2	212.2	212.2	0.0
*G	6,471	137	486	0.95	215.8	215.8	216.3	0.5
*H	7,609	97	152	2.95	221.6	221.6	221.6	0.0

¹ Feet above mouth.

² Cross section not shown on map; lies outside the county limits.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

**CRYSTAL CREEK TRIBUTARY NO. 2-
CRYSTAL CREEK TRIBUTARY NO. 3- CRYSTAL CREEK TRIBUTARY NO. 4**

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Crystal Creek Tributary No. 5								
*A	388	30	153	2.99	199.6	199.6	200.1	0.5
*B	1,182	68	152	2.92	203.5	203.5	204.0	0.5
C	1,282	64	265	1.68	206.0	206.0	207.0	1.0
Carters Slough								
A	4,793	404	2,489	0.94	110.0	110.0	111.0	1.0
B	10,461	599	1,770	1.30	121.8	121.8	122.8	1.0
C	10,561	661	1,972	1.17	122.1	122.1	123.1	1.0
D	11,280	1,082	2,924	0.81	122.8	122.8	123.8	1.0
E	11,380	698	2,514	0.95	123.0	123.0	124.0	1.0
F	12,569	1,105	3,705	0.66	123.2	123.2	124.2	1.0
G	12,669	1,310	4,334	0.56	123.2	123.2	124.2	1.0
H	19,451	1,051	4,419	0.25	123.8	123.8	124.8	1.0
I	23,186	891	2,877	0.33	124.4	124.4	125.4	1.0
Sandy Branch								
A	14,267	195	675	1.53	124.8	124.8	125.8	1.0
B	15,447	172	519	2.00	125.9	125.9	126.9	1.0
C	16,619	92	460	2.28	128.8	128.8	129.8	1.0
*D	17,419	93	402	2.60	131.2	131.2	131.7	0.5
*E	20,277	60	338	2.68	138.4	138.4	138.9	0.5
*F	22,677	118	239	3.14	145.8	145.8	145.8	0.0

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

CRYSTAL CREEK TRIBUTARY NO. 5-CARTERS SLOUGH-SANDY BRANCH

50

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATOR ²	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Gleneagies Diversion Ditch								
*A	1,350	172	535	1.59	115.9	115.9	115.9	0.0
*B	1,450	98	435	1.91	116.4	116.4	116.4	0.0
C	3,948	111	478	1.59	117.2	117.2	118.2	1.0
*D	8,446	153	300	2.29	120.8	120.8	120.8	0.0
Little Caney Creek								
A	5,356	1,063	6,162	0.32	118.4	118.4 ²	119.4 ²	1.0
B	5,456	1,048	5,200	0.38	118.4	118.4 ²	119.4 ²	1.0
*C	9,409	135	728	2.70	124.7	124.7	125.2	0.5
D	10,209	57	471	4.17	126.0	126.0	127.0	1.0
E	13,270	111	580	3.32	133.6	133.6	134.6	1.0
F	15,978	109	668	2.74	137.9	137.9	138.9	1.0
G	19,076	62	417	4.23	144.6	144.6	145.6	1.0
H	19,895	210	934	1.87	146.4	146.4	147.4	1.0
I	21,078	71	416	4.14	148.9	148.9	149.9	1.0
J	22,835	198	911	1.87	152.4	152.4	153.4	1.0
K	25,833	91	538	3.05	158.8	158.8	159.8	1.0
L	27,123	75	462	3.43	161.4	161.4	162.4	1.0
M	27,223	249	917	1.72	161.5	161.5	162.5	1.0
*N	28,255	62	351	4.13	163.6	163.6	164.1	0.5
O	31,105	112	479	2.92	171.0	171.0	172.0	1.0
P	33,014	156	578	2.33	175.5	175.5	176.5	1.0
Q	33,114	189	1,116	0.56	178.5	178.5	179.5	1.0

¹Feet above mouth.

²Elevations computed based on backwater effects from West Fork of San Jacinto River.

*The 100-year storm discharge is contained within the top width of the existing channel at this peth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

GLENEAGLES DIVERSION DITCH-LITTLE CANEY CREEK

51

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Little Caney Creek (continued)								
R	35,535	116	374	1.62	181.4	181.4	182.4	1.0
S	37,472	65 ⁴	230	2.53	187.8	187.8	188.8	1.0
T	37,822	68	275	2.12	189.3	189.3	190.3	1.0
U	38,021	61 ³	340	1.67	189.7	189.7	190.7	1.0
V	39,744	386	1,076	0.51	195.2	195.2	196.2	1.0
Stewarts Creek								
A	2,971	411	4,466	1.00	123.9	123.9	124.9	1.0
B	3,071	411	4,100	1.09	124.0	124.0	125.0	1.0
C	4,045	625	5,632	0.79	124.1	124.1	125.1	1.0
D	4,145	663	5,666	0.79	124.2	124.2	125.2	1.0
E	8,516	338	2,078	2.15	131.7	131.7	132.7	1.0
F	8,616	344	2,142	2.09	132.0	132.0	133.0	1.0
G	10,449	199	1,744	2.56	134.8	134.8	135.8	1.0
H	18,594	334	2,106	2.10	147.8	147.8	148.8	1.0
I	22,094	193	1,625	2.66	153.3	153.3	154.3	1.0
*J	24,360	133 ²	1,006	4.28	158.8	158.8	159.3	0.5
K	24,460	126	1,063	4.05	159.2	159.2	160.2	1.0
L ³	26,780	360 ²	2,638	3.0	168.6	168.6	169.5	0.9
M ³	28,900	300	2,427	3.3	170.8	170.8	171.5	0.7
N ³	30,550	420	3,352	2.2	173.5	173.5	174.2	0.7
O ³	31,463	500	3,218	2.3	174.8	174.8	175.6	0.8
P	33,142	150 ⁴	1,033	7.2	176.8	176.8	177.8	1.0

¹Feet above mouth.

²Floodway width extends beyond county limits.

³Cross section not shown on map; lies outside county limits.

⁴Floodway lies outside county limits.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TX (UNINCORPORATED AREAS)	FLOODWAY DATA
		LITTLE CANEY CREEK-STEWARTS CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Stewarts Creek (continued)								
Q ₃	33,380	410 ²	3,599	2.1	179.2	179.2	180.0	0.8
R ₃	38,050	400	3,468	2.1	187.3	187.3	188.3	1.0
S ³	39,201	221	1,525	2.54	189.5	189.5	190.5	1.0
T	43,263	343	1,854	2.05	195.2	195.2	196.2	1.0
U	43,463	519	2,968	1.28	196.4	196.4	197.4	1.0
V	45,422	233	1,807	1.91	199.2	199.2	200.2	1.0
W	49,460	559	2,281	1.47	207.2	207.2	208.2	1.0
X	52,603	219	1,183	2.33	216.4	216.4	217.4	1.0
Y	53,653	295	1,701	1.62	219.6	219.6	220.6	1.0
Z	59,007	335	1,650	1.51	230.7	230.7	231.7	1.0
AA	63,115	348	1,090	2.17	241.7	241.7	242.7	1.0
*AB	66,080	175	1,248	1.80	258.1	258.1	258.6	0.5
AC	66,205	248	1,863	1.21	258.3	258.3	259.3	1.0
AD	68,823	134	776	2.81	264.3	264.3	265.3	1.0
AE ³	69,073	226	1,390	1.57	266.6	266.6	267.6	1.0
AF	69,373	220	569	3.83	270.1	270.1	271.1	1.0
AG	72,466	75 ⁴	435	4.68	277.5	277.5	278.5	1.0
AH	72,616	162	971	2.10	280.4	280.4	281.4	1.0
*AI	76,345	95	521	3.57	292.1	292.1	292.6	0.5

¹Feet above mouth.

²Floodway lies outside county limits.

³Cross section not shown on map; lies outside county limits.

⁴Floodway width extends beyond county limits.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
	MONTGOMERY COUNTY, TX (UNINCORPORATED AREAS)	STEWARTS CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ²	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Stewarts Creek Tributary No. 1								
*A	1,913	75	342	2.74	211.7	211.7	212.2	0.5
B	2,013	358	3,611	0.26	221.3	221.3	222.3	1.0
C	3,890	282	1,277	0.69	222.1	222.1	223.1	1.0
D	6,377	102	321	2.66	228.8	228.8	229.8	1.0
E	6,477	81	245	3.48	229.2	229.2	230.2	1.0
*F	10,262	45	191	3.86	243.1	243.1	243.6	0.5
G	12,764	100	269	1.86	252.8	252.8	253.8	1.0
Grand Lake Creek								
A ¹	16,140	116 ³	504	1.89	144.1	144.1	145.1	1.0
*B	17,929	53	281	3.13	150.9	150.9	151.4	0.5
*C	18,029	54	308	2.85	151.6	151.6	152.1	0.5
*D	18,706	61	326	2.61	152.7	152.7	153.2	0.5
*E	19,563	61	359	1.68	153.2	153.2	153.7	0.5
*F	19,663	63	246	2.45	157.5	157.5	158.0	0.5
Alligator Creek								
A	10,566	852	3,306	0.90	147.0	147.0	148.0	1.0
B	13,109	272	1,510	2.17	154.3	154.3	155.3	1.0
C	18,320	516/266 ⁴	2,989	1.8	166.2	166.2	166.6	0.4
D	19,820	400/200 ⁴	1,586	3.2	167.6	167.6	168.4	0.8
E ¹	20,360	159	971	5.3	169.5	169.5	170.3	0.8

¹Cross section not shown on maps; lies outside county line

⁴Width/width within corporate limits

²Feet above mouth

*The 100-year storm discharge is contained within the

³Floodway extends beyond corporate limits

top width of the existing channel at this depth

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

FLOODWAY DATA

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

**STEWARTS CREEK TRIBUTARY NO. 1, GRAND LAKE CREEK
AND ALLIGATOR CREEK**

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
White Oak Creek- North								
A ²	2,040	224	2,962	1.03	149.3	149.3	150.3	1.0
B ²	2,140	236	3,004	1.01	149.3	149.3	150.3	1.0
C	3,684	174	1,700	1.81	150.5	150.5	151.5	1.0
*D	5,512	212	753	4.15	154.7	154.7	154.7	0.0
*E	5,712	195	693	4.51	155.2	155.2	155.2	0.0
F	8,752	49	493	6.50	166.4	166.4	167.4	1.0
G	8,852	144	1,069	3.00	167.0	167.0	168.0	1.0
H	11,924	202	1,082	2.76	179.3	179.3	180.3	1.0
I	14,280	149	941	3.12	187.5	187.5	188.5	1.0
*J	17,660	43	198	4.07	202.4	202.4	202.9	0.5
*K	17,760	71	228	3.52	202.9	202.9	202.9	0.0
*L	20,139	51	201	3.52	216.2	216.2	216.7	0.5
*M ²	23,417	92	111	4.09	240.2	240.2	240.2	0.0
*N ²	23,517	58	100	4.54	253.3	253.3	253.8	0.5
*O ²	24,888	68	86	4.58	260.8	260.8	260.8	0.0
Egypt Creek								
A	2,926	72	619	1.38	155.3	155.3	156.3	1.0
B	6,535	31	184	4.74	177.0	177.0	178.0	1.0
C	6,635	56	376	2.32	178.8	178.8	179.8	1.0
*D	7,917	77	230	2.89	186.7	186.7	187.2	0.5
*E	11,934	45	135	2.50	218.8	218.8	219.3	0.5

¹Feet above mouth.

²Cross section not shown on map ; lies outside county limits.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

WHITE OAK CREEK-NORTH-EGYPT CREEK

SS

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Sand Branch								
A	1,659 ¹	802	5,601	0.1	137.4	157.4 ⁴	158.4	1.0
B*	1,759 ¹	830	5,185	0.1	157.4	157.4 ⁴	158.4	1.0
C*	3,651 ¹	63	220	2.9	165.1	165.1	165.1	0.0
D	4,889 ¹	46	172	3.6	172.4	172.4	172.9	0.5
E*	4,989 ¹	28	173	3.6	174.6	174.6	175.6	1.0
F	6,472 ¹	70	216	2.8	183.0	183.0	183.5	0.5
Base Creek								
A	1,929 ¹	346	4,037	0.3	162.8	162.8 ⁴	163.8	1.0
B	2,029 ¹	471	5,486	0.2	162.8	162.8 ⁴	163.8	1.0
C*	3,424 ¹	252	1,595	0.8	162.8	162.8	163.8	1.0
D*	6,070 ¹	80	348	3.5	172.1	172.1	172.6	0.5
E*	6,170 ¹	176	856	1.4	174.5	174.5	175.0	0.5
F*	6,508 ¹	95	211	5.8	196.4	196.4	196.9	0.5
G	10,656 ¹	56	225	3.8	201.9	201.9	202.4	0.5
Bens Branch								
A	24,605 ²	402 ³	1,544	1.4	72.3	72.3	73.3	1.0
B	25,502 ²	270	1,221	1.8	74.2	74.2	75.1	0.9
C	26,083 ²	450	2,240	1.4	75.1	75.1	75.9	0.8
D	27,139 ²	484	2,311	1.4	76.6	76.6	77.4	0.8
E	29,990 ²	510	2,453	1.1	79.3	79.3	80.3	1.0
F	33,136 ²	360	1,258	1.7	81.6	81.6	82.3	0.7
G	33,801 ²	160	784	2.7	83.3	83.3	83.6	0.3
H	34,108 ²	120	755	2.8	83.4	83.4	84.4	1.0
I	34,908 ²	513	2,773	0.8	84.1	84.1	85.0	0.9

¹Feet above mouth

⁴Elevation computed without consideration of backwater from West Fork of San Jacinto River

²Feet above confluence with West Fork San Jacinto River

The 100-year storm discharge is contained within the top width of existing channel at this depth

³This width extends beyond county boundary

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

SAND BRANCH - BASE CREEK - BENS BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
(FEET NGVD)								
Bens Branch (continued)								
J	34,995 ¹	590	3,097	0.7	84.2	84.2	85.1	0.9
K	36,975 ¹	341	930	2.4	85.1	85.1	85.8	0.7
L	44,615 ¹	1,500	5,032	0.4	89.5	89.5	90.4	0.9
M	47,465 ¹	261	503	4.5	91.9	91.9	92.2	0.3
N	47,528 ¹	322	1,044	1.6	92.9	92.9	93.7	0.8
O	50,678 ¹	350	1,336	0.7	96.4	96.4	97.2	0.8
Bens Branch Tributary No. 1								
A [*]	2,653 ²	180	347	2.1	82.4	82.4	82.9	0.5
B	6,292 ²	222	657	0.8	85.3	85.3	86.3	1.0
C [*]	6,392 ²	296	795	0.6	85.3	85.3	86.3	1.0
D	7,402 ²	186	329	1.5	87.0	87.0	87.5	0.5
E	7,733 ²	105	232	2.1	87.7	87.7	88.7	1.0
F	8,597 ²	77	199	2.4	90.5	90.5	91.5	1.0
G	8,697 ²	98	277	1.7	90.8	90.8	91.8	1.0
H	9,145 ²	84	230	2.0	92.6	92.6	93.6	1.0
I	9,235 ²	600	3,503	0.1	96.7	96.7	97.7	1.0
J	9,335 ²	668	2,374	0.2	96.7	96.7	97.7	1.0
K	10,080 ²	244	1,103	0.4	96.7	96.7	97.7	1.0
L	10,180 ²	177	766	0.6	96.7	96.7	97.7	1.0
M	12,754 ²	104	318	1.0	98.2	98.2	99.2	1.0

¹Feet above confluence with West Fork of San Jacinto River

²Feet above confluence with Bens Branch

*The 100-year storm discharge is contained within the top width of existing channel at this depth

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

BENS BRANCH - BENS BRANCH TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	¹ DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Bens Branch Tributary No. 2								
A	1,849	350	1,112	1.0	81.3	81.3	82.3	1.0
B	3,395	200	739	1.5	81.8	81.8	82.7	0.9
C	4,666	170	595	1.8	82.2	82.2	82.9	0.7
D	4,715	150	539	1.9	82.3	82.3	83.0	0.7
E	5,319	200	664	1.5	82.5	82.5	83.3	0.8
F	5,368	250	672	1.5	82.6	82.6	83.4	0.8
G	6,042	250	627	1.5	82.8	82.8	83.7	0.9

¹Feet above confluence with Bens Branch

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

BENS BRANCH TRIBUTARY NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Caney Creek								
A	11,328	1,529	20,249	3.25	63.9	63.9	64.9	1.0
B	15,590	3,043	26,003	2.53	70.3	70.3	71.3	1.0
C	20,384	1,067	15,597	1.76	71.6	71.6	72.6	1.0
D	24,122	735	10,273	2.67	72.9	72.9	73.9	1.0
E	28,741	764	8,329	3.31	75.3	75.3	76.3	1.0
F	31,266	741	7,999	3.44	76.5	76.5	77.5	1.0
G	31,634	891	8,500	3.24	77.0	77.0	78.0	1.0
H	36,711	821	9,593	2.88	81.4	81.4	82.4	1.0

¹Feet above mouth

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

CANEY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Caney Creek (continued)								
I	39,458	761	9,265	2.99	83.5	83.5	84.5	1.0
J	39,558	777	9,592	2.89	83.7	83.7	84.7	1.0
K	39,868	781	8,366	3.31	83.9	83.9	84.9	1.0
L	40,489	740	9,339	2.97	84.8	84.8	85.8	1.0
M	40,689	715	8,935	3.10	85.0	85.0	86.0	1.0
N	43,487	686	7,612	3.64	86.7	86.7	87.7	1.0
O	47,826	1,178	11,591	2.40	90.8	90.8	91.8	1.0
P	50,881	827	9,551	2.91	93.3	93.3	94.3	1.0
Q	54,129	454	6,863	3.99	96.2	96.2	97.2	1.0
*R	60,254	3,405	21,329	1.28	99.2	99.2	99.7	0.5
S	64,698	1,117	10,277	2.49	103.9	103.9	104.9	1.0
*T	64,798	1,218	11,228	2.28	104.4	104.4	104.9	0.5
*U	67,013	1,471	11,961	2.14	106.4	106.4	106.9	0.5
V	70,950	1,185	11,108	2.32	113.6	113.6	114.6	1.0
W	71,225	1,220	10,895	2.36	114.0	114.0	115.0	1.0
X	71,325	1,293	11,947	2.15	114.4	114.4	115.4	1.0
Y	75,250	1,009	10,066	2.57	118.6	118.6	119.6	1.0
Z	79,226	1,956	13,876	1.87	122.7	122.7	123.7	1.0
AA	82,570	1,409	14,285	1.82	125.2	125.2	126.2	1.0
AB	86,643	1,259	13,459	1.94	128.7	128.7	129.7	1.0
AC	89,853	940	10,982	2.38	131.2	131.2	132.2	1.0
AD	95,486	915	10,747	2.44	136.9	136.9	137.9	1.0
AE	99,662	1,703	19,087	1.38	138.9	138.9	139.9	1.0
AF	103,856	1,235	12,456	2.13	143.6	143.6	144.6	1.0

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

CANEY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Caney Creek (continued)								
AG	103,956	1,284	13,124	2.02	143.8	143.8	144.6	1.0
AH	110,713	796	10,996	2.43	150.1	150.1	151.1	1.0
AI	116,042	1,416	11,699	2.28	156.7	156.7	157.7	1.0
AJ	120,266	1,603	16,175	1.65	158.8	158.8	159.8	1.0
AK	124,950	2,149	19,245	1.39	161.4	161.4	162.4	1.0
AL	129,282	394	6,328	4.21	165.7	165.7	166.7	1.0
AM	129,382	430	7,224	3.69	166.3	166.3	167.3	1.0
AN	131,885	700	9,865	2.69	168.6	168.6	169.6	1.0
AO ²	134,938	736	12,217	2.17	170.2	170.2	171.2	1.0
AP ²	142,109	559	8,547	3.09	174.4	174.4	175.4	1.0
AQ ²	142,269	420	6,458	4.09	174.7	174.7	175.7	1.0
AR ²	145,492	734	10,231	2.58	178.0	178.0	179.0	1.0
AS ²	147,743	858	10,999	2.40	179.8	179.8	180.8	1.0
AT ²	147,843	925	11,596	2.27	180.4	180.4	181.4	1.0
AU	150,014	1,043	12,246	2.15	182.3	182.3	183.3	1.0
AV	151,629	945	13,387	1.97	183.2	183.2	184.2	1.0
AW	155,111	1,021	12,460	1.95	186.4	186.4	187.4	1.0
AX	155,211	953	12,593	1.93	186.9	186.9	187.9	1.0
AY	159,889	1,603	15,894	1.53	189.8	189.8	190.8	1.0
AZ	164,568	1,264	12,509	1.94	193.5	193.5	194.5	1.0
BA	172,442	616	8,328	2.89	203.3	203.3	204.3	1.0
BB	175,017	1,163	16,536	1.45	204.5	204.5	205.5	1.0
*BC	178,035	2,051	17,211	1.28	205.9	205.9	206.4	0.5
BD	183,148	919	9,403	2.30	210.6	210.6	211.6	1.0

¹Feet above mouth.

²Cross section not shown on map; lies outside county limits.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

CANEY CREEK

61

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Caney Creek (continued)								
BE	183,298	707	11,563	1.87	211.1	211.1	212.1	1.0
BF	187,571	842	9,213	2.35	214.6	214.6	215.6	1.0
BG	193,441	1,445	13,707	1.59	218.1	218.1	219.1	1.0
BH	193,541	1,427	15,460	1.41	218.5	218.5	219.5	1.0
BI	195,929	1,004	10,387	2.09	219.0	219.0	220.0	1.0
BJ	196,029	1,018	10,164	2.14	219.5	219.5	220.5	1.0
BK	197,707	1,136	13,348	1.62	220.5	220.5	221.5	1.0
BL	202,116	1,182	11,047	1.95	224.3	224.3	225.3	1.0
BM	204,101	1,343	12,262	1.76	225.1	225.1	226.1	1.0
BN	204,201	1,346	12,617	1.71	225.4	225.4	226.4	1.0
BO	207,913	1,036	10,398	2.05	229.4	229.4	230.4	1.0
BP	210,565	925	7,096	2.98	232.5	232.5	233.5	1.0
BQ	213,945	863	8,380	2.51	236.5	236.5	237.5	1.0
BR	214,120	1,007	10,156	2.07	238.1	238.1	239.1	1.0
BS	217,911	1,248	10,746	1.93	239.2	239.2	240.2	1.0
BT	220,304	691	5,894	3.47	243.0	243.0	244.0	1.0
BU	221,718	1,075	9,223	2.21	243.8	243.8	244.8	1.0
BV	226,694	651	4,104	1.51	247.0	247.0	248.0	1.0
BW	231,987	706	3,879	1.55	252.5	252.5	253.5	1.0
BX	237,202	577	3,173	1.75	258.8	258.8	259.8	1.0
BY	237,302	540 ²	3,126	1.78	259.2	259.2	260.2	1.0
BZ	243,547	537 ²	2,919	1.59	267.9	267.9	268.9	1.0

¹Feet above mouth.

²Floodway width extends beyond county limits.

TABLE 3	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
	MONTGOMERY COUNTY, TX (UNINCORPORATED AREAS)	CANEY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Caney Creek Tributary No. 1								
A	4,005	143	1,474	1.39	75.9	75.9	76.9	1.0
B	6,239	130	822	2.48	81.4	81.4	82.4	1.0
*C	7,814	111	569	2.69	86.0	86.0	86.5	0.5
D	7,914	121	775	1.97	86.5	86.5	87.5	1.0
*E	9,187	89	621	2.36	88.0	88.0	88.5	0.5
*F	10,826	195	743	2.01	90.6	90.6	91.1	0.5
G	10,926	331	1,382	1.08	91.2	91.2	92.2	1.0
H	13,430	369	1,169	1.29	93.7	93.7	94.7	1.0
I	13,530	557	2,778	0.54	95.3	95.3	96.3	1.0
J	13,630	693	3,598	0.42	95.5	95.5	96.5	1.0
K	14,747	239	916	0.49	95.6	95.6	96.6	1.0
Dry Creek								
A	6,126	1,880	6,434	1.03	97.3	97.3	98.3	1.0
B	6,226	1,813	4,724	1.41	98.3	98.3	99.3	1.0
C	9,639	291	2,639	2.50	103.1	103.1	104.1	1.0
D	15,445	502	3,647	1.70	109.7	109.7	110.7	1.0
E	20,525	721	4,704	1.29	114.3	114.3	115.3	1.0
F	22,515	1,296	7,763	0.78	115.4	115.4	116.4	1.0
G	22,765	1,470	9,990	0.60	117.9	117.9	118.9	1.0
H	26,493	1,014	5,168	1.13	120.9	120.9	121.9	1.0
I	30,823	768	4,459	1.26	125.5	125.5	126.5	1.0
J	34,061	428	2,995	1.88	130.2	130.2	131.2	1.0
K	34,364	806	5,208	1.08	130.7	130.7	131.7	1.0

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

CANEY CREEK TRIBUTARY NO. 1-DRY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Dry Creek (continued)								
L	36,935	475	3,336	1.69	133.3	133.3	134.3	1.0
M	40,733	535	3,724	1.45	137.4	137.4	138.4	1.0
N	43,783	608	3,255	1.13	140.7	140.7	141.7	1.0
O	48,214	845	3,640	0.99	145.2	145.2	146.2	1.0
P	51,372	725	2,342	0.89	148.9	148.9	149.9	1.0
Q	51,665	174	814	2.53	150.5	150.5	151.5	1.0
R	51,815	268	1,345	1.53	151.4	151.4	152.4	1.0
S	52,645	234	1,197	1.66	153.0	153.0	154.0	1.0
T	52,720	275	1,477	1.35	153.2	153.2	154.2	1.0
U	53,327	266	1,269	1.53	154.0	154.0	155.0	1.0
V	53,427	446	1,714	1.13	154.3	154.3	155.3	1.0
W	56,966	381	1,614	0.92	156.8	156.8	157.8	1.0
Spring Branch								
A	5,393	309	4,256	2.32	102.6	102.6	103.6	1.0
B	14,248	660	6,647	1.47	107.3	107.3	108.3	1.0
C	21,668	684	5,355	1.82	114.8	114.8	115.8	1.0
D	25,208	638	5,683	1.69	117.8	117.8	118.8	1.0
E	25,308	616	5,409	1.77	118.0	118.0	119.0	1.0
F	28,715	639	5,545	1.72	121.6	121.6	122.6	1.0
G	32,918	743	6,666	1.41	124.9	124.9	125.9	1.0
H	35,355	319	2,965	3.13	127.4	127.4	128.4	1.0
I	35,555	570	4,975	1.86	128.2	128.2	129.2	1.0

¹Feet above mouth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

DRY CREEK-SPRING BRANCH

BEST COPY AVAILABLE

64

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Spring Branch (continued)								
J	38,694	902	7,007	1.30	130.3	130.3	131.3	1.0
K	40,181	1,187	7,670	1.19	131.4	131.4	132.4	1.0
L	41,830	898	5,541	1.63	123.4	133.4	134.4	1.0
M	44,941	567	3,752	1.30	137.2	137.2	138.2	1.0
N	49,480	290	1,761	2.01	140.6	140.6	141.6	1.0
*O	53,637	300	1,270	2.18	147.0	147.0	147.5	0.5
*P	59,202	366	1,173	1.76	157.2	157.2	157.7	0.5
Q	62,264	154	749	2.48	165.2	165.2	166.2	1.0
R	62,364	303	1,722	1.08	167.5	167.5	168.5	1.0
S	64,118	238	976	1.75	171.9	171.9	172.9	1.0
*T	64,218	240	989	1.72	172.2	172.2	172.7	0.5
*U	66,690	74	298	2.55	176.9	176.9	177.4	0.5
West Fork of Spring Branch								
A	3,462	359	2,177	2.04	137.8	137.8	138.8	1.0
B	7,689	606	2,884	1.52	140.5	140.5	141.5	1.0
C	14,905	731	3,155	0.99	146.1	146.1	147.1	1.0
D	20,456	914	2,902	1.01	155.4	155.4	156.4	1.0
E	25,614	765	2,233	1.27	166.1	166.1	167.1	1.0
F	25,714	943	6,320	0.45	170.5	170.5	171.5	1.0
G	31,518	263	1,282	1.89	176.5	176.5	177.5	1.0
H	31,618	197	1,262	1.92	176.7	176.7	177.7	1.0
I	34,934	480	1,721	1.33	180.1	180.1	181.1	1.0

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

SPRING BRANCH-WEST FORK OF SPRING BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
West Fork of Spring Branch (continued)								
J	35,159	413	2,353	0.97	182.6	182.6	183.6	1.0
K	38,561	327	1,024	2.05	189.0	189.0	190.0	1.0
*L	41,021	450	1,018	1.92	194.9	194.9	195.4	0.5
M	41,096	380	1,409	1.39	195.0	195.0	196.0	1.0
*N	41,271	140	596	3.28	195.4	195.4	196.0	0.6
O	45,059	163	681	2.65	204.5	204.5	205.5	1.0
*P	46,250	280	904	1.98	207.7	207.7	208.2	0.5
Q	46,300	155	768	2.32	207.7	207.7	208.7	1.0
R	46,350	100	459	3.89	207.8	207.8	208.8	1.0
S	47,900	903	2,313	0.77	208.7	208.7	209.7	1.0
T	48,000	398	1,492	1.19	208.7	208.7	209.7	1.0
*U	49,950	242	604	2.85	217.1	217.1	217.6	0.5
*V	50,000	225	613	2.81	217.3	217.3	217.8	0.5
*W	50,050	272	484	3.55	218.3	218.3	218.8	0.5
*X	54,540	121	432	2.89	231.3	231.3	231.8	0.5
Y	54,665	160	670	1.87	231.9	231.9	232.9	1.0
Z	57,267	86	257	3.55	239.3	239.3	240.3	1.0
AA	59,505	32	116	5.00	248.4	248.4	249.4	1.0
AB	59,605	73	290	2.01	249.3	249.3	250.3	1.0
AC	60,880	33	140	3.36	254.1	254.1	255.1	1.0
*AD	62,089	62	122	2.17	263.7	263.7	264.2	0.5

¹Feet above mouth.

*The 10ⁿ-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

WEST FORK OF SPRING BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
McRae Creek								
A	3,933	135	1,460	2.21	186.6	186.6	187.6	1.0
B	7,314	107	1,022	3.14	194.3	194.3	195.3	1.0
C	9,198	218	1,338	2.38	198.9	198.9	199.9	1.0
D	11,729	156	1,295	2.43	205.5	205.5	206.5	1.0
E	14,216	124	980	3.01	212.3	212.3	213.3	1.0
F	17,030	161	1,637	1.80	220.7	220.7	221.7	1.0
G	17,120	135	1,442	1.97	220.9	220.9	221.9	1.0
*H	19,278	130	924	3.03	224.5	224.5	225.0	0.5
I	19,378	172	1,179	2.38	224.9	224.9	225.9	1.0
J	25,024	112	779	3.28	236.5	236.5	237.5	1.0
*K	27,905	132	744	3.11	242.9	242.9	243.6	0.7
*L	27,955	67	424	5.45	243.0	243.0	243.7	0.7
*M	28,055	169	922	2.51	243.4	243.4	243.9	0.5
N	33,199	155	786	2.80	255.2	255.2	256.2	1.0
*O	33,324	285	1,815	1.21	258.2	258.2	258.7	0.5
P	38,287	117	688	3.00	270.5	270.5	271.5	1.0
Q	38,387	201	1,294	1.60	271.6	271.6	272.6	1.0
*R	42,366	136	707	2.51	280.7	280.7	281.4	0.7
S	45,791	153	763	2.02	290.8	290.8	291.8	1.0
*T	48,644	155	574	2.38	300.1	300.1	300.6	0.5
U	48,744	152	738	1.85	300.8	300.8	301.8	1.0
V	51,214	238	848	1.44	308.5	308.5	309.5	1.0
W	51,314	256	903	1.36	308.8	308.8	309.8	1.0
X	54,734	223	675	1.35	321.7	321.7	322.7	1.0
Y	57,880	54	246	2.88	340.1	340.1	341.1	1.0

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

MCRAE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Camp Creek								
A	5,281	334	2,246	1.48	208.5	208.5	209.5	1.0
B	8,317	165	936	3.45	215.7	215.7	216.7	1.0
C	8,417	229	1,680	1.92	218.1	218.1	219.1	1.0
D	12,038	238	1,293	2.42	225.2	225.2	226.2	1.0
E	12,138	174	1,292	2.42	225.7	225.7	226.7	1.0
*F	14,043	101	737	4.21	229.4	229.4	229.9	0.5
G	17,033	286	1,158	2.65	237.2	237.2	238.2	1.0
*H	20,661	130	817	3.59	245.5	245.5	246.0	0.5
I	23,561	279	1,022	2.84	253.8	253.8	254.8	1.0
J	23,661	1,064	2,550	1.14	254.1	254.1	255.1	1.0
K	26,097	59	544	5.26	260.7	260.7	261.7	1.0
L	29,141	162	758	3.73	271.1	271.1	272.1	1.0
*M	31,674	76	511	4.60	278.0	278.0	278.7	0.7
N	31,774	409	3,073	0.91	281.9	281.9	282.9	1.0
O	35,487	90	516	2.89	290.9	290.9	291.9	1.0
*P	37,402	55	314	4.32	297.5	297.5	298.2	0.7
Q	37,502	123	576	2.35	298.3	298.3	299.3	1.0
R	39,276	59	305	3.75	304.7	304.7	305.7	1.0
S	39,376	86	507	2.25	306.0	306.0	307.0	1.0
*T	42,535	74	263	2.68	320.5	320.5	321.0	0.5
U	42,760	667	8,920	0.08	336.4	336.4	337.4	1.0
V	44,490	90	420	0.92	337.8	337.8	338.8	1.0

¹ Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

CAMP CREEK

68

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
(FEET NGVD)								
Caney Creek Tributary No. 2								
*A	3,977	110	605	1.92	212.7	212.7	213.4	0.7
B	4,077	149	897	1.29	213.6	213.6	214.6	1.0
*C	6,454	52	636	1.82	226.2	226.2	226.9	0.7
*D	6,554	90	788	1.47	226.4	226.4	226.9	0.5
E	9,271	53	358	3.27	237.0	237.0	238.0	1.0
F	9,371	49	300	3.91	237.6	237.6	238.6	1.0
*G	12,077	39	194	5.16	252.1	252.1	252.6	0.5
*H	17,027	100	228	2.24	278.5	278.5	279.0	0.5
Little Caney Creek No. 2								
A	477	1,087	8,259	1.76	244.9	244.9	245.9	1.0
B	6,376	782	6,202	2.24	252.7	252.7	253.7	1.0
C	10,305	573	4,703	2.83	258.0	258.0	259.0	1.0
D	10,405	633	5,496	2.42	258.5	258.5	259.5	1.0
E	14,223	700	5,140	2.63	263.2	263.2	264.2	1.0
F	16,038	841	5,412	0.89	263.6	263.6	264.6	1.0
G	16,138	440	3,030	1.59	263.7	263.7	264.7	1.0
H	18,430	486	2,331	2.15	266.2	266.2	267.2	1.0
I	25,332	341	1,616	3.27	285.3	285.3	286.3	1.0

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

CANEY CREEK TRIBUTARY NO. 2-LITTLE CANEY CREEK NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY (FEET NGVD)	INCREASE
Caney Creek Tributary No. 3								
A	3,432	295	1,417	1.41	248.8	248.8	249.8	1.0
*B	6,253	55	424	4.70	257.4	257.4	257.9	0.5
C	6,353	196	1,220	1.63	262.1	262.1	263.1	1.0
D	8,699	125	565	3.41	270.2	270.2	271.2	1.0
E ³	11,451	127	553	3.08	281.1	281.1	282.1	1.0
*F ³	15,214	69	339	3.75	297.1	297.1	297.6	0.5
Peach Creek								
A	7,247	1,097	146	2.24	75.6	75.6	76.6	1.0
B	11,940	692	11,391	3.76	78.1	78.1	79.1	1.0
C	12,040	843	13,320	3.21	78.6	78.6	79.6	1.0
D	15,543	1,239	17,810	2.40	80.0	80.0	81.0	1.0
E	17,665	1,566	16,539	2.57	81.5	81.5	82.5	1.0
F	22,768	1,350 ²	18,278	2.32	85.5	85.5	86.5	1.0
G ³	22,918	1,277	16,223	2.61	85.9	85.9	86.9	1.0
H ³	27,467	2,113	20,858	2.03	89.5	89.5	90.5	1.0
I ³	27,567	2,243	21,841	1.94	89.9	89.9	90.9	1.0
J ³	29,624	1,095	14,690	2.87	91.4	91.4	92.4	1.0
K	32,988	1,033 ²	14,123	2.86	95.6	95.6	96.6	1.0
L	35,711	3,467 ²	48,569	0.83	96.1	96.1	97.1	1.0
M	35,811	3,479 ²	46,610	0.87	96.3	96.3	97.3	1.0
N	35,936	1,354 ²	22,379	1.80	96.3	96.3	97.3	1.0
O	37,477	691	11,656	3.41	98.5	98.5	99.5	1.0
P	38,272	877	14,784	2.68	99.8	99.8	100.8	1.0

¹Feet above mouth

²Floodway width extends beyond county limits.

³Cross section not shown on map; lies outside county limits.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

CANEY CREEK TRIBUTARY NO. 3- PEACH CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Peach Creek (continued)								
Q	41,452	1,671 ²	20,516	1.93	101.9	101.9	102.9	1.0
R	45,019	2,566 ²	28,033	1.38	103.4	103.4	104.4	1.0
S	47,889	1,762 ²	22,798	1.69	104.5	104.5	105.5	1.0
T	48,880	1,254 ²	15,875	2.29	105.4	105.4	106.4	1.0
U	49,912	1,538 ²	18,383	1.97	106.1	106.1	107.1	1.0
V	50,052	1,652 ²	19,581	1.85	106.6	106.6	107.6	1.0
W	56,513	2,230	25,432	1.41	110.2	110.2	111.2	1.0
X	60,920	1,211	15,785	2.27	114.3	114.3	115.3	1.0
Y	66,069	1,763	21,237	1.68	117.6	117.6	118.6	1.0
Z	69,199	1,100	16,769	2.12	119.7	119.7	120.7	1.0
AA	74,450	1,457	17,118	2.04	123.9	123.9	124.9	1.0
AB	74,550	1,461	18,394	1.70	124.4	124.4	125.4	1.0
AC	79,968	1,059	13,289	2.16	128.3	128.3	129.3	1.0
AD	83,824	857	11,772	2.42	132.5	132.5	133.5	1.0
AE	86,448	1,104	15,132	1.88	134.5	134.5	135.5	1.0
AF	86,538	997	15,161	1.88	135.0	135.0	136.0	1.0
AG	89,020	1,265	17,664	1.61	136.2	136.2	137.2	1.0
AH	90,520	1,165	12,287	2.29	137.5	137.5	138.5	1.0
AI	92,878	1,711	16,453	1.71	139.4	139.4	140.4	1.0
AJ	93,461	1,092	14,054	2.00	139.6	139.6	140.6	1.0
AK	96,266	1,330	12,715	2.20	143.1	143.1	144.1	1.0
AL	96,356	1,361	13,221	2.12	144.2	144.2	145.2	1.0
AM	96,436	1,307	14,575	1.92	144.5	144.5	145.5	1.0

¹Feet above mouth.

²Floodway width extends beyond county limits.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

PEACH CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Peach Creek (continued)								
AN	99,085	1,233	14,561	1.91	145.5	145.5	146.5	1.0
AO	103,724	749/172 ²	9,584	2.72	150.3	150.3	151.3	1.0
AP	103,824	688/187 ²	9,166	2.84	150.6	150.6	151.6	1.0
AQ	112,165	932/218 ²	11,809	2.08	158.5	158.5	159.5	1.0
AR	118,691	733/330 ²	11,264	2.17	164.8	164.8	165.8	1.0
AS	125,674	633/297 ²	9,048	2.30	171.3	171.3	172.3	1.0
AT	130,645	544/106 ²	8,507	2.44	176.5	176.5	177.5	1.0
AU	136,477	501/344 ²	7,879	2.62	183.4	183.4	184.4	1.0
AV	142,518	488/216 ²	6,442	2.19	188.5	188.5	189.5	1.0
AW	147,886	767/427 ²	7,914	1.78	193.7	193.7	194.7	1.0
AX	147,986	828/596 ²	8,530	1.65	193.8	193.8	194.8	1.0
AY	152,182	564/312 ²	5,624	2.48	199.3	199.3	200.3	1.0
AZ	155,713	423/112 ²	4,790	2.88	206.9	206.9	207.9	1.0
BA	155,813	506/55 ²	5,425	2.54	207.4	207.4	208.4	1.0
BB	159,308	566/52 ²	6,738	2.02	211.1	211.1	212.1	1.0
BC	164,042	620/452 ²	6,198	2.17	218.3	218.3	219.3	1.0
BD	169,781	636/444 ²	6,181	2.14	226.5	226.5	227.5	1.0
BE	173,373	335/67 ²	4,107	3.14	234.9	234.9	235.9	1.0
BF	176,458	540/315 ²	5,233	2.40	240.1	240.1	241.1	1.0
BG	176,558	580/447 ²	5,790	2.17	240.7	240.7	241.7	1.0
BH	182,079	520/486 ²	5,512	2.22	247.3	247.3	248.3	1.0
BI	184,888	352/191 ²	2,967	2.65	253.8	253.8	254.8	1.0
BJ	184,988	404/240 ²	3,630	2.17	254.2	254.2	255.2	1.0
BK	187,111	345/238 ²	3,024	2.51	259.0	259.0	260.0	1.0

¹Feet above mouth.

²Total width/width within the county limits.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
 (UNINCORPORATED AREAS)

FLOODWAY DATA

PEACH CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
(FEET NGVD)								
Peach Creek (continued)								
BL	190,160	215/142 ²	1,954	3.83	266.5	266.5	267.5	1.0
BM	190,310	416/207 ²	3,716	2.01	267.2	267.2	268.2	1.0
BN	191,940	326/17 ²	3,039	2.44	270.8	270.8	271.8	1.0
BO	196,027	361/262 ²	3,123	2.23	279.4	279.4	280.4	1.0
BP	198,141	525/202 ²	2,754	1.52	283.0	283.0	284.0	1.0
BQ	201,223	241/22 ²	1,544	2.61	293.3	293.3	294.3	1.0
BR	204,134	142/65 ²	1,069	3.53	304.7	304.7	305.7	1.0
BS ⁴	208,222	148/35 ²	1,056	3.13	318.4	318.4	319.4	1.0
*BT ⁴	213,372	98	252	2.90	345.7	345.7	345.7	0.0
Peach Creek Tributary No. 1								
A ³	1,242	630	7,270	1.15	92.0	92.0	93.0	1.0
B ³	2,145	505	4,331	1.93	92.2	92.2	93.2	1.0
C ⁴	3,324	167	1,760	4.75	93.2	93.2	93.7	0.5
D ⁴	4,967	733	8,163	1.01	93.9	93.9	94.9	1.0
E ⁴	5,067	748	7,647	1.08	93.9	93.9	94.9	1.0
F ⁴	6,077	200	2,080	3.96	94.8	94.8	95.8	1.0
G	10,705	815	4,549	0.75	96.9	96.9	97.9	1.0
H	13,287	426	2,246	1.42	99.8	99.8	100.8	1.0
I	13,387	434	2,100	1.51	100.1	100.1	101.1	1.0
J	14,528	430	1,977	1.50	102.1	102.1	103.1	1.0
K	14,628	421	1,945	1.52	102.3	102.3	103.3	1.0
L	20,581	768	1,900	0.99	117.3	117.3	118.3	1.0

¹Feet above mouth

²Total width/width within the county limits.

³Cross section extends outside county limits.

⁴Cross section lies outside county limits, not shown on map.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

PEACH CREEK-PEACH CREEK TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVC)	WITH FLOODWAY	INCREASE
Waterhole Branch								
A	1,823	495	4,994	0.75	102.3	102.3	103.3	1.0
B	3,040	321	2,996	1.22	102.8	102.8	103.8	1.0
C	3,350	401	3,571	1.03	103.1	103.1	104.1	1.0
D	5,220	201	1,760	2.05	104.8	104.8	105.8	1.0
Gully Branch								
A	1,051	872	10,595	0.55	104.7	104.7	105.7	1.0
B	1,151	865	9,535	0.61	104.8	104.8	105.8	1.0
C	3,974	739	5,578	1.04	105.6	105.6	106.6	1.0
D	4,074	877	5,848	0.99	105.8	105.8	106.8	1.0
E	5,588	426	3,150	1.83	107.0	107.0	108.0	1.0
F	7,287	399	3,015	1.90	108.4	108.4	109.4	1.0
G	7,387	309	2,299	2.49	108.5	108.5	109.5	1.0
H	8,059	390	2,671	2.13	109.8	109.8	110.8	1.0
I	8,119	481	3,576	1.59	110.3	110.3	111.3	1.0
J	11,429	460	3,143	1.76	113.8	113.8	114.8	1.0
Peach Creek Tributary No. 2								
*A	2,504	230	984	0.74	111.0	111.0	111.5	0.5
*B	2,584	160	857	0.85	111.1	111.1	111.6	0.5
*C	3,832	147	354	1.94	114.4	114.4	114.9	0.5
*D	5,317	65	168	3.60	120.7	120.7	120.7	0.0

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

WATERHOLE BRANCH-GULLY BRANCH-PEACH CREEK TRIBUTARY NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Hightower Branch								
A	3,047	339	2,641	0.95	120.7	120.7	121.7	1.0
B	5,912	126	823	2.41	125.2	125.2	126.2	1.0
C	6,462	533	3,477	0.57	127.4	127.4	128.4	1.0
*D	10,151	60	227	2.44	135.8	135.8	136.3	0.5
Jayhawker Creek								
A	3,878	682	7,862	1.22	126.3	126.3	127.3	1.0
B	7,516	898	7,120	0.78	127.3	127.3	128.3	1.0
C	10,413	544	3,540	1.35	129.9	129.9	130.9	1.0
D	13,675	205	1,461	3.21	134.4	134.4	135.4	1.0
E	13,875	286	2,336	2.01	135.1	135.1	136.1	1.0
F	15,803	528	3,016	1.52	137.5	137.5	138.5	1.0
G	15,978	511	3,541	1.29	138.2	138.2	139.2	1.0
H ²	18,904	276	1,950	2.25	141.1	141.1	142.1	1.0
I ²	24,382	451	2,463	1.70	149.2	149.2	150.2	1.0
Bee Branch								
A	3,686	347	2,655	1.30	129.0	129.0	130.0	1.0
B	7,140	342	2,229	1.30	131.3	131.3	132.3	1.0
C	10,685	165	783	2.70	139.1	139.1	140.1	1.0
D	14,071	247	1,099	1.74	142.3	142.3	143.3	1.0
*E ²	14,171	235	1,420	1.34	143.3	143.3	143.8	0.5
F ²	15,791	279	1,195	1.50	145.3	145.3	146.3	1.0

¹Feet above mouth.

²Cross section not shown on map; lies outside county limits.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

HIGHTOWER BRANCH-JAYHAWKER CREEK-BEE BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Lawrence Creek								
A	2,910	435	4,012	0.77	146.0	146.0	147.0	1.0
*B	4,984	320	1,515	2.04	148.5	148.5	149.0	0.5
C	7,384	271	1,611	1.87	150.8	150.8	151.8	1.0
D	7,484	400	2,053	1.47	152.2	152.2	153.2	1.0
E	8,248	129	997	2.97	153.4	153.4	154.4	1.0
F	8,348	235	1,451	2.04	153.9	153.9	154.9	1.0
G	11,556	167	972	2.81	158.1	158.1	159.1	1.0
H	11,656	192	1,193	2.29	160.1	160.1	161.1	1.0
I	14,977	131	840	2.65	168.3	168.3	169.3	1.0
J	18,692	156	780	2.39	177.7	177.7	178.7	1.0
K	22,382	102	551	3.11	186.3	186.3	187.3	1.0
*L	22,482	165	826	2.07	186.6	186.6	187.3	0.7
M	25,546	128	635	2.30	190.8	190.8	191.8	1.0
Duck Creek								
A	2,386	392	3,760	0.89	151.4	151.4	152.4	1.0
B	7,382	216	1,550	2.05	158.9	158.9	159.9	1.0
C	7,487	193	1,482	2.15	159.2	159.2	160.2	1.0
D	11,579	106	718	4.02	168.1	168.1	169.1	1.0
E	12,129	175	1,157	2.50	170.5	170.5	171.5	1.0
F	17,621	180	719	1.80	179.6	179.6	180.6	1.0
G	22,084	56	304	3.08	192.1	192.1	193.1	1.0

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

LAWRENCE CREEK-DUCK CREEK

BEST COPY AVAILABLE

76

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Peach Creek Tributary No. 3								
A	1,733	270	1,666	1.83	283.7	283.7	284.7	1.0
*B	6,974	77	416	4.19	311.5	311.5	312.0	0.5
*C	10,115	115	472	3.44	328.2	328.2	328.7	0.5
D	10,215	102	618	2.62	329.1	329.1	330.1	1.0
*E	16,465	111	247	1.80	367.3	367.3	367.8	0.5
Spring Creek								
A ²	2,534	4,159	35,357	2.1	65.6	65.6	66.6	1.0
B ²	4,224	3,200	35,831	2.1	67.7	67.7	68.6	0.9
C ²	7,234	751	18,548	4.1	70.4	70.4	71.3	0.9
D ²	9,187	1,329	25,701	3.0	72.2	72.2	73.1	0.9
E	10,771	1847/217 ³	37,568	2.0	73.3	73.3	74.3	1.0
F	11,986	2599/1059	50,398	1.5	73.8	73.8	74.8	1.0
G	13,517	2103/928	41,145	1.9	74.3	74.3	75.3	1.0
H	16,474	2861/2076	48,437	1.6	75.0	75.0	76.0	1.0
I	17,530	2382/1912	39,418	1.9	75.3	75.3	76.3	1.0
J	18,586	3578/2160	58,052	0.9	75.7	75.7	76.7	1.0
K	20,486	2288/1668	43,029	1.2	76.0	76.0	77.0	1.0
L	21,701	1583/993	25,062	2.1	76.3	76.3	77.3	1.0
M	23,654	2826/2646	40,663	1.3	77.0	77.0	78.0	1.0
N	25,714	2018/1728	27,053	1.9	77.8	77.8	78.8	1.0
O	27,139	1202/427	23,260	2.2	78.5	78.5	79.5	1.0
P	29,251	2407/2362	40,007	1.3	79.3	79.3	80.3	1.0
Q	30,994	2198/1758	40,625	1.3	79.6	79.6	80.6	1.0

¹Feet above mouth.

²Cross section not shown on map; lies outside county limits.

³Total width/width within county limits.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

PEACH CREEK TRIBUTARY NO. 3-SPRING CREEK

BEST COPY AVAILABLE

77

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Spring Creek (continued)								
R	32,366	2606/2031 ²	38,797	1.3	79.9	79.9	80.9	1.0
S	34,426	2447/1537 ²	38,438	1.4	80.5	80.5	81.5	1.0
T	36,062	1243/1163 ²	20,629	2.5	81.2	81.2	82.2	1.0
U	39,178	2995/1915 ²	30,352	1.7	82.7	82.7	83.7	1.0
V	41,712	1943/443 ²	33,247	1.6	83.4	83.4	84.4	1.0
W	43,138	1518/575 ²	22,356	2.3	83.8	83.8	84.8	1.0
X	45,830	2216/806 ²	26,618	2.0	85.2	85.2	86.2	1.0
Y	47,414	2228/708 ²	28,398	1.8	86.3	86.3	87.3	1.0
Z	50,899	1226/176 ²	15,934	3.3	88.7	88.7	89.7	1.0
AA	52,642	2703/943 ²	33,574	1.6	90.0	90.0	91.0	1.0
AB	56,179	2774/684 ²	33,754	1.6	91.5	91.5	92.5	1.0
AC	57,922	1761/151 ²	23,470	2.2	92.3	92.3	93.3	1.0
AD	61,512	1452/772 ²	19,368	2.7	94.4	94.4	95.4	1.0
AE	64,046	2085/1645 ²	22,907	2.3	95.8	95.8	96.8	1.0
AF	66,950	3035/1875 ²	36,310	1.5	97.2	97.2	98.2	1.0
AG	68,376	2350/1360 ²	39,569	1.3	97.7	97.7	98.7	1.0
AH	69,274	1138/1008 ²	15,319	3.5	98.0	98.0	99.0	1.0
AI	69,960	1381/631 ²	22,329	2.4	98.6	98.6	99.6	1.0
AJ	72,178	1383/608 ²	24,902	2.1	99.7	99.7	100.7	1.0
AK	74,606	2692/1052 ²	40,858	1.3	100.5	100.5	101.5	1.0
AL	76,718	1538/1488 ²	22,317	2.4	101.9	101.9	102.9	1.0

¹Feet above mouth.

²Total width/width within the county limits.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

SPRING CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH ² (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Spring Creek (continued)								
AM	80,362	2347/1327	35,812	1.5	103.8	103.8	104.8	1.0
AN	83,318	3237/227	43,964	1.2	104.6	104.6	105.6	1.0
AO	84,586	4210/420	47,457	1.1	104.9	104.9	105.9	1.0
AP	85,483	4138/1558	45,832	1.2	105.6	105.6	106.6	1.0
AQ	87,806	3673/1228	36,846	1.5	106.8	106.8	107.8	1.0
AR	88,493	1563/923	26,443	2.0	107.3	107.3	108.3	1.0
AS	89,918	1935/800	32,487	1.7	108.2	108.2	109.2	1.0
AT	91,925	2088/1,48	27,395	2.0	109.3	109.3	110.3	1.0
AU	94,829	1721/621	29,237	1.8	111.8	111.8	112.8	1.0
AV ³	96,571	1671/1581	33,563	1.5	112.7	112.7	113.7	1.0
AW ³	100,320	4993/3313	71,970	0.7	113.6	113.6	114.6	1.0
AX ³	102,749	4325/3575	49,736	1.0	114.0	114.0	115.0	1.0
AY ³	104,650	4426/4186	53,616	1.0	114.4	114.4	115.4	1.0
AZ ³	105,970	5208/4148	64,407	0.8	114.7	114.7	115.7	1.0
BA	107,923	2523/1543	35,245	1.5	115.4	115.4	116.4	1.0
BB	110,352	1906/986	29,554	1.8	116.7	116.7	117.7	1.0
BC	112,358	1762/1087	26,093	2.0	118.4	118.4	119.4	1.0
BD	114,048	1734/1229	27,376	1.9	120.0	120.0	121.0	1.0
BE	118,642	4660/1730	53,192	0.9	121.7	121.7	122.7	1.0
BF	119,328	4690/1275	49,637	1.0	121.8	121.8	122.8	1.0
BG	119,803	4790/1210	44,061	1.1	121.9	121.9	122.9	1.0
BH	120,226	5160/1370	39,490	1.2	122.1	122.1	123.1	1.0
BI	123,077	2366/416	36,240	1.3	123.0	123.0	124.0	1.0
BJ	124,344	2325/146	36,350	1.3	123.5	123.5	124.5	1.0

¹Feet above mouth.

²Total width/width within the county limits.

³Common flood plain with Panther Branch.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

SPRING CREEK

BEST COPY AVAILABLE

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH ² (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Spring Creek (continued)								
BK	125,558	2859/669	40,434	1.2	124.0	124.0	125.0	1.0
BL	127,195	3220/1080	43,176	1.1	124.6	124.6	125.6	1.0
BM	129,624	2471/1261	31,573	1.5	125.8	125.8	126.8	1.0
BN	133,584	2525/965	36,260	1.3	127.7	127.7	128.7	1.0
BO	135,538	1430/180	24,552	2.0	129.0	129.0	130.0	1.0
BP	136,646	1995/955	31,074	1.6	130.0	130.0	131.0	1.0
BQ	139,498	1655/1275	29,062	1.7	131.1	131.1	132.1	1.0
BR	140,712	2060/1120	36,543	1.3	131.5	131.5	132.5	1.0
BS	142,138	2672/2072	33,965	1.4	132.2	132.2	133.2	1.0
BT	144,038	1964/1434	33,032	1.5	132.7	132.7	133.7	1.0
BU	146,256	1413/533	25,266	1.9	133.7	133.7	134.7	1.0
BV	147,576	2006/1096	35,995	1.3	134.3	134.3	135.3	1.0
BW	149,424	2100/1580	32,967	1.5	135.0	135.0	136.0	1.0
BX	150,902	1658/1158	29,760	1.6	135.9	135.9	136.9	1.0
BY	152,856	987/287	17,825	2.7	137.3	137.3	138.3	1.0
BZ	154,651	2060/1620	38,455	1.3	138.5	138.5	139.5	1.0
CA	155,866	2057/1187	35,249	1.4	138.7	138.7	139.7	1.0
CB	156,658	2355/815	39,616	1.2	139.0	139.0	140.0	1.0
CC	157,397	2714/699	45,004	1.1	139.2	139.2	140.2	1.0
CD	159,562	2232/1812	37,591	1.3	139.8	139.8	140.8	1.0
CE	161,832	2598/2548	49,020	1.0	140.4	140.4	141.4	1.0
CF	165,792	4017/3307	65,216	0.7	140.6	140.6	141.6	1.0
CG	167,270	5266/3356	67,863	0.7	140.8	140.8	141.8	1.0

¹Feet above mouth.

²Total width/width within the county limits.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

SPRING CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH ² (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Spring Creek (continued)								
CH	169,161	5603/2183	60,684	0.8	141.1	141.1	142.1	1.0
CI	170,660	5819/2909	55,307	0.9	141.4	141.4	142.4	1.0
CJ	173,955	2111/131	25,982	1.8	142.7	142.7	143.7	1.0
CK	177,081	2778/528	40,083	1.2	144.6	144.6	145.6	1.0
CL	178,364	2341/661	32,725	1.4	145.2	145.2	146.2	1.0
CM	179,187	2316/766	32,403	1.4	145.6	145.6	146.6	1.0
CN	179,821	2165/355	25,591	1.8	146.1	146.1	147.1	1.0
CO	181,109	2002/1952	24,708	1.9	147.5	147.5	148.5	1.0
CP	182,656	1778/1703	28,082	1.7	148.8	148.8	149.8	1.0
CQ	184,916	1792/1627	27,698	1.7	149.8	149.8	150.8	1.0
CR	187,160	1030/630	18,432	2.5	150.6	150.6	151.6	1.0
CS	188,095	1968/1843	30,458	1.5	151.2	151.2	152.2	1.0
CT	190,941	2511/1791	31,511	1.5	152.2	152.2	153.2	1.0
CU	192,482	1412/962	22,846	2.0	153.3	153.3	154.3	1.0
CV	193,860	2327/1827	28,951	1.6	154.4	154.4	155.4	1.0
CW	196,801	670/40	15,224	2.8	155.9	155.9	156.8	0.9
CX	198,275	1811/411	30,095	1.4	156.5	156.5	157.4	0.9
CY	199,758	1511/1191	17,754	2.4	157.4	157.4	158.3	0.9
CZ	203,533	1972/1142	34,293	1.3	158.9	158.9	159.9	1.0
DA	204,869	2155/1955	38,909	1.1	159.3	159.3	160.3	1.0
DB	206,480	2579/1279	38,163	1.1	159.8	159.8	160.8	1.0
DC	208,465	1769/1569	29,628	1.5	160.6	160.6	161.6	1.0
DD	210,471	1897/1822	33,014	1.3	161.3	161.3	162.3	1.0
DE	211,965	983/153	17,426	2.6	161.8	161.8	162.8	1.0

¹Feet above mouth.

²Total width/width within the county limits.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

SPRING CREEK

BEST COPY AVAILABLE

8/

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Spring Creek (Continued)								
DF	212,261	1230/300 ²	24,673	1.8	162.0	162.0	163.0	1.0
DG	213,502	1645/695 ²	27,141	1.6	162.9	162.9	163.9	1.0
DH	215,572	1471/1411 ²	26,143	1.7	164.2	164.2	165.2	1.0
DI	220,920	1647/327 ²	26,176	1.7	166.2	166.2	166.2	1.0
DJ	222,922	2610/2000 ²	43,769	1.0	167.0	167.0	168.0	1.0
DK	224,504	3552/2152 ²	42,970	1.1	167.7	167.7	168.7	1.0
DL	225,034	3698/2458 ²	53,168	0.9	167.8	167.8	168.8	1.0
DM	226,406	3947/3807 ²	57,478	0.8	168.1	168.1	169.1	1.0
DN	229,574	3047/2737 ²	46,785	1.0	168.8	168.8	169.8	1.0
DO	231,158	2250/1210 ²	31,024	1.5	169.6	169.6	170.6	1.0
DP	232,531	3967/1792 ²	55,625	0.8	170.1	170.1	171.1	1.0
DQ	240,504	1344/1114 ²	16,263	1.6	175.1	175.1	176.1	1.0
DR	244,042	985/295 ²	14,546	1.8	179.7	179.7	180.	1.0
DS	249,216	1446/616 ²	22,159	1.2	182.2	182.2	183.2	1.0
DT	254,602	2053/1333 ²	21,481	1.3	184.9	184.9	185.9	1.0
Sam Bell Gully								
*W	26,550	42	216	4.7	121.8	121.8	121.8	1.0
*x ³	28,600	15	71	12.5	125.0	125.0	125.1	0.1
y ³	30,530	67	211	4.1	129.4	129.4	130.2	0.8
z ³	30,630	517	2,325	0.4	131.7	131.7	132.6	0.9
AA ³	31,080	705	2,266	0.4	131.7	131.7	132.6	0.9
*AA ³	32,950	37	113	7.8	135.4	135.4	135.4	0.0

¹Feet above mouth.

²Total width/width within the county limits.

³Cross section outside county limits; not shown on map.

*The 100-year storm discharge is contained within the top width of the existing channel to this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

SPRING CREEK- SAM BELL GULLY

BEST COPY AVAILABLE

82

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Panther Branch								
A	9,979	459	6,755	0.8	115.0	115.0	116.0	1.0
B	12,747	428	3,647	1.5	116.0	116.0	117.0	1.0
C	16,655	495	4,920	1.1	117.9	117.9	118.9	1.0
D	16,730	723	4,644	1.2	117.9	117.9	118.9	1.0
E	16,750	762	5,424	1.0	117.9	117.9	118.9	1.0
F	16,820	639	5,493	1.0	118.2	118.2	119.2	1.0
G	18,890	545	4,122	1.3	120.1	120.1	121.1	1.0
H	20,233	658	6,407	0.8	120.5	120.5	121.5	1.0
I	20,333	822	8,126	0.7	120.6	120.6	121.6	1.0
J	25,140	792	5,198	1.0	123.9	123.9	124.9	1.0
K	27,203	384	4,114	1.3	124.6	124.6	125.5	0.9
L	27,253	372	3,528	1.5	124.7	124.7	125.6	0.9
M	27,404	380	690	7.7	127.6	127.6	127.6	0.0
N	27,454	415	3,940	1.4	128.2	128.2	128.2	0.0
O	28,134	780	9,052	0.6	128.2	128.2	128.2	0.0
P	30,014	550	6,254	0.8	128.3	128.3	128.3	0.0
Q	32,354	470	5,289	1.0	128.3	128.3	128.3	0.0
R	35,449	380	3,670	1.4	128.4	128.4	128.4	0.0
S	35,660	400	3,904	1.3	128.4	128.4	128.4	0.0
T	36,130	609	2,856	1.8	130.8	130.8	131.5	0.7
U	37,667	549	4,005	1.3	133.7	133.7	134.7	1.0
V	40,651	436	3,694	1.4	137.2	137.2	138.2	1.0
W	42,444	503	4,269	1.2	138.6	138.6	139.6	1.0

¹Feet above mouth

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

PANTHER BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY (FEET NGVD)	INCREASE
Panther Branch (continued)								
X	43,593	712	5,215	0.9	139.2	139.2	140.2	1.0
Y	45,541	789	5,878	0.9	140.1	140.1	141.1	1.0
Z	49,071	651	3,472	0.7	141.9	141.9	142.9	1.0
AA	51,792	332	1,645	1.4	145.6	145.6	146.6	1.0
AB	51,842	389	1,789	1.3	145.7	145.7	146.7	1.0
AC	51,892	479	2,218	1.1	145.7	145.7	146.7	1.0
AD	53,743	551	2,411	1.0	147.6	147.6	148.6	1.0
AE	53,823	617	2,411	1.0	148.0	148.0	149.0	1.0
AF	55,561	258	1,315	1.7	150.9	150.9	151.9	1.0
AG	56,771	191	880	1.5	152.8	152.8	153.8	1.0
AH	56,852	227	977	1.4	153.1	153.1	154.1	1.0
AI	58,170	125	640	2.1	158.1	158.1	159.1	1.0
AJ	60,526	230	1,164	1.2	160.8	160.8	161.8	1.0
AK	61,468	328	2,195	0.7	161.2	161.2	162.2	1.0
AL	64,018	313	1,201	1.1	164.8	164.8	165.8	1.0
AM	64,168	574	3,176	0.4	166.7	166.7	167.7	1.0
AN	67,220	307	909	1.1	170.7	170.7	171.7	1.0
AO	67,320	488	1,684	0.6	171.9	171.9	172.9	1.0
AP	69,437	384	1,305	0.7	175.2	175.2	176.2	1.0
AQ	69,537	620	3,321	0.3	177.9	177.9	178.9	1.0
AR	71,337	628	921	0.9	181.8	181.8	182.8	1.0

¹Feet above mouth

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

PANTHER BRANCH

84

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Panther Branch Tributary No. 1								
*A	4,320	119	940	0.96	114.2	114.2	114.4	0.2
*B	5,493	69	114	7.83	114.4	114.4	114.4	0.0
Bear Branch								
A	994	593	3,710	0.86	140.5	140.5	141.5	1.0
B	1,044	573	3,730	0.85	140.6	140.6	141.6	1.0
C	1,084	581	4,261	0.75	140.6	140.6	141.6	1.0
D	4,256	560	2,907	1.08	142.6	142.6	143.6	1.0
E	5,284	727	2,718	1.15	143.5	143.5	144.5	1.0
F	5,324	612	2,459	1.27	143.6	143.6	144.6	1.0
G	5,364	439	2,354	1.33	143.6	143.6	144.6	1.0
H	6,784	588	2,817	1.09	145.4	145.4	146.4	1.0
I	9,118	324	1,862	1.64	148.1	148.1	149.1	1.0
J	12,439	666	3,016	1.00	152.6	152.6	153.6	1.0
K	13,573	873	5,013	0.60	152.9	152.9	153.9	1.0
L	15,332	631	2,483	1.19	155.4	155.4	156.4	1.0
M	17,786	431	2,310	1.24	158.7	158.7	159.7	1.0
N	19,577	357	1,953	1.44	161.7	161.7	162.7	1.0
O	20,648	415	2,401	1.18	162.6	162.6	163.6	1.0

¹Feet above mouth.

* The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

PANTHER BRANCH TRIBUTARY NO. 1-BEAR BRANCH

85

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Bear Branch (continued)								
P	22,997	438	2,428	1.16	165.2	165.2	166.2	1.0
Q	23,097	464	2,625	1.08	165.4	165.4	166.4	1.0
R	24,528	336	2,284	1.24	167.0	167.0	168.0	1.0
S	26,905	353	2,192	1.10	169.1	169.1	170.1	1.0
T	28,105	254	1,524	1.57	171.5	171.5	172.5	1.0
U	30,991	338	1,853	1.20	175.7	175.7	176.7	1.0
V	33,332	204	1,218	1.43	179.2	179.2	180.2	1.0
W	34,649	471	1,665	1.00	181.3	181.3	182.3	1.0
X	34,799	426	2,398	0.69	183.7	183.7	184.7	1.0
Y	36,075	129	788	1.97	186.9	186.9	187.9	1.0
Z	38,842	301	1,282	1.08	191.5	191.5	192.5	1.0
AA	39,860	215	879	1.44	192.3	192.3	193.3	1.0
AB	41,222	157	580	2.04	195.7	195.7	196.7	1.0
AC	42,867	234	697	1.39	202.5	202.5	203.5	1.0
AD (Left) ²	42,967	204	836	1.16	204.1	204.1	205.1	1.0
AE (right) ²	45,553	227	455	0.76	211.2	211.2	212.2	1.0
AE (right) ²	45,553	109	360	0.92	211.2	211.2	212.2	1.0
*AF	48,905	85	161	0.59	219.4	219.4	219.9	0.5

¹Feet above mouth.

²Bifurcation of flow - see maps.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

BEAR BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Panther Branch Tributary No. 2								
A	2,058	155	692	1.46	156.7	156.7	157.7	1.0
B	2,098	98	492	2.06	156.8	156.8	157.8	1.0
C	2,178	110	570	1.78	157.0	157.0	158.0	1.0
D	5,651	126	534	1.62	165.8	165.8	166.8	1.0
E	8,854	201	674	1.08	173.2	173.2	174.2	1.0
F	12,555	50	160	2.82	184.3	184.3	185.3	1.0
G	12,627	47	85	5.32	185.8	185.8	186.8	1.0
H	15,190	62	148	1.94	191.2	191.2	192.2	1.0
Dry Creek No. 2								
A	10,042	740	6,303	0.62	141.4	141.4	142.4	1.0
B	11,585	408	3,676	1.05	142.1	142.1	143.1	1.0
C	11,685	348	3,263	1.19	142.2	142.2	143.2	1.0
D	15,625	534	3,079	1.18	145.7	145.7	146.7	1.0
E	15,727	473	2,921	1.24	145.7	145.7	146.7	1.0
F	19,607	256	1,700	2.08	152.5	152.5	153.5	1.0
G	19,807	423	2,314	1.53	152.8	152.8	153.8	1.0
H	20,141	328	2,245	1.58	153.2	153.2	154.2	1.0
I	20,191	60	534	6.62	153.3	153.3	154.3	1.0
J	20,241	333	2,190	1.62	154.1	154.1	155.1	1.0
K	22,322	308	2,018	1.75	156.5	156.5	157.5	1.0
L	23,863	300	1,811	1.95	159.7	159.7	160.7	1.0
M	24,043	613	2,813	1.26	159.8	159.8	160.8	1.0

¹Feet above mouth

TABLE 3	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TX (UNINCORPORATED AREAS)	FLOODWAY DATA
		PANTHER BRANCH TRIBUTARY NO. 2-DRY CREEK NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Dry Creek No. 2 (cont.)								
N	27,226	552	2,776	1.28	164.4	164.4	165.4	1.0
O	31,685	218	1,669	1.66	170.8	170.8	171.8	1.0
P	36,137	135	666	1.74	178.7	178.7	179.7	1.0
Q	36,943	107	595	1.93	180.5	180.5	181.5	1.0
R	37,023	167	803	1.43	181.0	181.0	182.0	1.0
S	39,343	258	857	1.30	185.7	185.7	186.7	1.0
T	39,443	397	1,839	0.61	187.4	187.4	188.4	1.0
U	40,346	404	1,565	0.70	188.2	188.2	189.2	1.0
V	42,237	248	839	1.28	194.8	194.8	195.8	1.0
W	42,337	237	912	1.17	195.1	195.1	196.1	1.0
X	44,584	228	777	1.33	202.0	202.0	203.0	1.0
Y	47,874	215	808	1.18	210.8	210.8	211.8	1.0
Z	47,974	225	864	1.11	211.1	211.1	212.1	1.0
AA	49,711	175	549	1.67	214.9	214.9	215.9	1.0
Dry Creek No. 2 Tributary No. 1								
A	4,340	312	1,230	0.96	178.1	178.1	179.1	1.0
B	7,315	211	860	1.32	184.8	184.8	185.8	1.0
C	7,415	185	753	1.51	185.2	185.2	186.2	1.0

¹Feet above mouth

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

DRY CREEK NO. 2-DRY CREEK NO. 2 TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Dry Creek No. 2 Tributary No. 1 (cont.)								
D	11,055	213	889	1.12	193.7	193.7	194.7	1.0
E	14,863	307	347	0.67	206.0	206.0	207.0	1.0
F	14,913	81	151	1.54	206.3	206.3	207.3	1.0
*G	15,308	33	35	4.07	207.6	207.6	208.1	0.5
*H	15,913	250	125	1.13	211.4	211.4	211.6	0.2
I	17,113	15	31	1.26	220.2	220.2	221.2	1.0
Mill Creek								
A	1,135	1,080	16,013	0.61	155.2	155.2	156.2	1.0
B	1,185	2,189	19,114	0.51	155.2	155.2	156.2	1.0
C	5,908	560	5,956	1.54	155.4	155.4	156.4	1.0
D	9,023	342	3,726	2.46	157.0	157.0	158.0	1.0
E	12,343	418	4,557	2.01	159.9	159.9	160.9	1.0
F	12,443	346	4,681	1.96	160.2	160.2	161.2	1.0
G	15,368	770	8,441	1.08	161.4	161.4	162.4	1.0
H	18,942	535	5,110	1.79	164.9	164.9	165.9	1.0
I	22,405	1,093	8,585	1.07	166.5	166.5	167.5	1.0
J	27,668	704	6,699	1.37	169.9	169.9	170.9	1.0
K	31,329	628	6,632	1.38	172.1	172.1	173.1	1.0
L	31,429	724	9,189	1.00	172.2	172.2	173.2	1.0
M	32,865	1,243	12,146	0.75	172.6	172.6	173.6	1.0

¹Feet above mouth

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

DRY CREEK NO. 2 TRIBUTARY NO. 1- MILL CREEK

89

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Mill Creek (cont.)								
N	36,412	863	8,264	1.10	174.1	174.1	175.1	1.0
O	40,478	604	5,319	1.70	178.3	178.3	179.3	1.0
P	44,123	864	7,706	1.18	180.3	180.3	181.3	1.0
Q	44,223	753	8,845	1.02	180.6	180.6	181.6	1.0
R	46,572	784	6,198	1.46	182.0	182.0	183.0	1.0
S	47,220	850	6,975	1.30	183.0	183.0	184.0	1.0
T	48,459	993	6,917	1.31	183.4	183.4	184.4	1.0
U	51,581	556	4,776	1.89	187.2	187.2	188.2	1.0
V	56,396	814	7,691	1.22	189.5	189.5	190.5	1.0
W	56,776	543	4,522	2.04	190.2	190.2	191.2	1.0
X	56,976	544	4,806	1.92	190.7	190.7	191.7	1.0
Y	60,640	778	6,761	1.36	193.6	193.6	194.6	1.0
Z	63,403	467	5,165	1.78	196.4	196.4	197.4	1.0
AA	69,428	915	7,854	1.15	199.5	199.5	200.5	1.0
AB	69,578	988	6,680	1.35	199.8	199.8	200.8	1.0
AC	73,526	415	4,427	2.03	206.0	206.0	207.0	1.0
AD	78,781	1,263	8,973	1.00	209.3	209.3	210.3	1.0
AE	85,071	408	4,037	1.98	217.2	217.2	218.2	1.0
AF	89,449	519	5,074	1.59	221.1	221.1	222.1	1.0
AG	94,074	586	4,818	1.71	226.8	226.8	227.8	1.0
AH	97,880	389	3,965	2.09	233.6	233.6	234.6	1.0
AI	98,900	466	6,220	1.33	234.9	234.9	235.9	1.0
AJ	102,859	701	6,876	1.19	236.8	236.8	237.8	1.0
AK	105,824	894	7,082	1.15	238.3	238.3	239.3	1.0
AL	110,068	689	5,048	1.63	243.0	243.0	244.0	1.0
AM	114,920	585 ²	4,990	1.65	249.4	249.4	250.4	1.0

¹Feet above mouth

²Floodway lies outside county limits

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

MILL CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Decker Branch								
A	4,089	196	2,543	1.13	156.1	156.1	157.1	1.0
B	6,026	213	2,330	1.08	156.6	156.6	157.6	1.0
C	7,022	82	1,058	2.39	157.5	157.5	158.5	1.0
D	7,172	685	7,842	0.32	157.9	157.9	158.9	1.0
E	10,513	217	1,914	1.32	159.4	159.4	160.4	1.0
F	10,613	89	829	3.05	159.5	159.5	160.5	1.0
G	12,974	140	1,123	2.25	163.2	163.2	164.2	1.0
H	15,568	277	1,719	1.48	165.5	165.5	166.5	1.0
I	16,549	310	1,858	1.37	166.6	166.6	167.6	1.0
J	16,649	349	1,736	1.46	166.7	166.7	167.7	1.0
K	18,152	132	768	3.24	168.4	168.4	169.4	1.0
L	18,232	119	681	3.73	168.6	168.6	169.6	1.0
M	20,966	91	688	3.37	172.2	172.2	173.2	1.0
N	21,066	337	1,239	1.87	174.4	174.4	175.4	1.0
O	23,407	188	813	2.80	178.7	178.7	179.7	1.0
P	26,607	73	428	2.43	185.9	185.9	186.9	1.0
Q	28,429	82	462	2.26	190.6	190.6	191.6	1.0
R	28,529	100	641	1.63	191.4	191.4	192.4	1.0
S	29,457	92	605	1.73	192.8	192.8	193.8	1.0
T	29,557	141	719	1.45	193.2	193.2	194.2	1.0
U	30,556	141	585	1.79	195.3	195.3	196.3	1.0
V	30,656	132	592	1.77	195.6	195.6	196.6	1.0
W	32,087	179	526	1.77	199.0	199.0	200.0	1.0
X	32,187	156	691	1.34	200.4	200.4	201.4	1.0
Y	35,551	57	251	2.96	208.5	208.5	209.5	1.0

¹Feet above mouth

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

DECKER BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Goodson Branch								
A	1,398	89	580	2.35	183.0	183.0	184.0	1.0
B	2,449	61	262	1.87	184.9	184.9	185.9	1.0
C	4,566	115	930	0.41	195.3	195.3	196.3	1.0
D	5,752	26	165	2.26	198.6	198.6	199.6	1.0
*E	6,807	35	231	1.56	203.7	203.7	203.9	0.2
*F	9,437	24	84	2.71	217.1	217.1	217.3	0.2
Decker Branch								
Tributary No. 1								
A	1,589	77	422	2.19	186.3	186.3	187.3	1.0
B	4,776	55	270	2.53	194.1	194.1	195.1	1.0
C	4,876	52	296	2.30	195.4	195.4	196.4	1.0
*D	5,766	54	245	2.14	196.9	196.9	197.1	0.2
E	5,866	69	433	1.21	200.2	200.2	201.2	1.0
F	9,261	20	82	4.42	214.4	214.4	215.4	1.0
G	10,897	30	113	2.64	220.4	220.4	221.4	1.0
Mill Creek								
Tributary No. 1								
A	1,526	56	318	2.12	192.7	192.7	193.7	1.0
B	1,606	116	553	1.22	193.6	193.6	194.6	1.0
C	2,008	65	390	1.71	194.3	194.3	195.3	1.0
D	2,439	60	343	1.93	195.9	195.9	196.9	1.0
E	2,519	80	770	0.86	201.4	201.4	202.4	1.0
F	2,969	180	1,331	0.49	201.4	201.4	202.4	1.0
G	3,049	208	1,565	0.42	201.5	201.5	202.5	1.0

¹Feet above mouth

*The 100-year storm discharge is contained within the top width of the existing channel at this depth

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

**GOODSON BRANCH-DECKER BRANCH TRIBUTARY NO. 1-
MILL CREEK TRIBUTARY NO. 1**

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Mill Creek Tributary No. 1 (cont.)								
H	3,461	149	1,024	0.61	201.6	201.6	202.6	1.0
I	3,541	160	855	0.73	201.7	201.7	202.7	1.0
J	4,315	47	266	2.18	205.0	205.0	206.0	1.0
K	4,395	84	493	1.18	206.5	206.5	207.5	1.0
L	4,914	106	379	1.41	207.8	207.8	208.8	1.0
Mill Creek Tributary No. 2								
A	3,845	305	1,151	1.16	197.1	197.1	198.1	1.0
B	4,695	246	638	1.95	200.1	200.1	201.1	1.0
C	4,775	294	971	1.28	201.0	201.0	202.0	1.0
D	5,638	35	161	2.77	203.3	203.3	204.3	1.0
E	5,738	81	301	1.49	205.2	205.2	206.2	1.0
*F	6,210	46	146	2.82	206.3	206.3	206.8	0.5
G	6,310	104	408	1.01	208.2	208.2	209.2	1.0
*H	6,580	30	54	6.92	211.8	211.8	212.0	0.2
I	6,680	45	167	2.24	214.4	214.4	215.4	1.0
J	7,029	194	479	0.76	214.5	214.5	215.5	1.0
*K	7,571	45	114	2.50	217.2	217.2	217.2	0.0
L	7,671	45	136	2.10	219.8	219.8	220.8	1.0
M	8,410	13	53	2.85	225.7	225.7	226.7	1.0

¹Feet above mouth

*The 100-year storm discharge is contained within the top width of the existing channel at this depth

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

MILL CREEK TRIBUTARY NO. 1-MILL CREEK TRIBUTARY NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET HGVD)	WITH FLOODWAY	INCREASE
Mill Creek Tributary No. 3								
A	377	67	265	3.13	203.8	203.8	204.8	1.0
B	784	59	169	4.88	205.9	205.9	206.9	1.0
C	884	83	324	2.54	207.5	207.5	208.5	1.0
D	1,856	81	275	2.93	211.6	211.6	212.6	1.0
E	1,956	135	607	1.32	213.1	213.1	214.1	1.0
F	2,750	22	112	3.64	217.8	217.8	218.8	1.0
G	2,850	41	289	1.42	221.5	221.5	222.5	1.0
*H	4,302	24	51	2.03	229.3	229.3	229.5	0.2
Mill Creek Tributary No. 4								
A	1,460	421	4,595	0.33	198.4	198.4	199.4	1.0
B	4,318	495	1,796	0.74	200.6	200.6	201.6	1.0
C	7,084	97	422	1.52	208.6	208.6	209.6	1.0
*D	9,586	260	427	1.21	219.6	219.6	219.8	0.2
E	12,238	91	191	1.76	232.6	232.6	233.6	1.0
*F ²	14,776	19	54	3.59	250.2	250.2	250.4	0.2
G	16,401	26	22	0.92	280.0	280.0	281.0	1.0

¹Feet above mouth

²Cross section not shown on map; lies outside county limits

*The 100-year storm discharge is contained within the top width of the existing channel at this depth

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

MILL CREEK TRIBUTARY NO. 3-MILL CREEK TRIBUTARY NO. 4

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Mill Creek Tributary No. 5								
A	4,011	120	1,037	2.28	213.0	213.0	214.0	1.0
B	7,682	390	1,450	1.65	218.8	218.8	219.8	1.0
C	11,201	229	1,231	1.78	225.2	225.2	226.2	1.0
D	14,522	277	1,288	1.63	232.6	232.6	233.6	1.0
E	19,177	232	1,303	1.62	244.2	244.2	245.2	1.0
F	19,277	433	2,542	0.83	245.8	245.8	246.8	1.0
G	22,717	156	946	1.68	253.7	253.7	254.7	1.0
H	26,132	252	1,113	1.22	261.3	261.3	262.3	1.0
Walnut Creek								
A	2,956	976	15,308	0.69	170.1	170.1	171.1	1.0
B	4,402	1,293	14,640	0.72	170.1	170.1	171.1	1.0
C	4,502	1,644	17,786	0.59	170.3	170.3	171.3	1.0
D	7,124	1,719	21,369	0.49	170.5	170.5	171.5	1.0
E	12,343	945	7,424	1.42	173.6	173.6	174.6	1.0
F	14,750	629	5,544	1.91	176.1	176.1	177.1	1.0
G	14,850	565	5,177	2.04	176.3	176.3	177.3	1.0
H	17,351	1,211 ²	9,708	1.09	177.7	177.7	178.7	1.0
I	18,512	837	5,891	1.71	178.7	178.7	179.7	1.0
J	18,612	848	6,638	1.52	179.0	179.0	180.0	1.0
K	20,185	1,259	10,073	1.00	179.8	179.8	180.8	1.0

¹Feet above mouth

²Floodway width extends beyond county limits.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

MILL CREEK TRIBUTARY NO. 5-WALNUT CREEK

95

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Walnut Creek (cont.)								
L	22,613	655	5,954	1.69	181.9	181.9	182.9	1.0
M	26,962	619	5,066	1.99	187.1	187.1	188.1	1.0
N	30,481	697	6,085	1.66	189.8	189.8	190.8	1.0
O	32,413	639	5,278	1.74	191.9	191.9	192.9	1.0
P	35,199	660	5,759	1.61	194.2	194.2	195.2	1.0
Q	38,004	659	5,533	1.60	197.1	197.1	198.1	1.0
R	38,079	1,145	10,646	0.83	197.4	197.4	198.4	1.0
S	38,938	976	7,678	1.16	197.9	197.9	198.9	1.0
T	43,580	924	7,984	1.13	200.4	200.4	201.4	1.0
U	47,607	424	4,369	2.08	204.6	204.6	205.6	1.0
V	51,016	421	4,901	1.85	208.1	208.1	209.1	1.0
W	57,669	378	4,795	1.90	214.5	214.5	215.5	1.0
X	60,881	288	4,326	2.12	217.7	217.7	218.7	1.0
Y	65,893	824 ²	8,724	1.06	219.9	219.9	220.9	1.0
Z	70,169	739 ²	6,828	1.37	223.4	223.4	224.4	1.0
Sulphur Branch								
A ³	1,096	189 ²	1,784	1.01	179.4	179.4	180.4	1.0
B ³	1,196	240 ²	2,059	0.88	179.4	179.4	180.4	1.0
C ³	2,750	165	1,401	1.21	180.1	180.1	181.1	1.0
D ³	5,509	152	1,182	1.41	186.7	186.7	187.7	1.0
E ³	8,172	80	680	2.60	192.3	192.3	193.3	1.0

¹Feet above mouth

²Floodway width extends beyond county limits

³Cross section not shown on map; lies outside county limits

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

WALNUT CREEK-SULPHUR BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
(FEET NGVD)								
Sulphur Branch (cont.)								
F	11,513	38	403	4.27	196.7	196.7	197.7	1.0
G	14,300	31	339	4.69	202.3	202.3	203.3	1.0
H	17,872	63	477	2.99	213.2	213.2	214.2	1.0
I	20,618	111	690	1.86	218.6	218.6	219.6	1.0
J	20,718	92	461	2.79	219.3	219.3	220.3	1.0
K	22,666	37	286	4.12	223.0	223.0	224.0	1.0
L	22,761	95	602	1.96	223.5	223.5	224.5	1.0
M	24,822	74	389	2.49	229.9	229.9	230.9	1.0
*N ₂	27,077	55	258	2.84	237.4	237.4	237.9	0.5
O ₂	30,670	50	261	2.25	249.5	249.5	250.5	1.0
P ₂	31,673	226	1,170	0.43	254.4	254.4	255.4	1.0
Q ₂	31,758	1,252	10,930	0.05	259.6	259.6	260.6	1.0
R ₂	31,828	1,152	7,997	0.06	259.6	259.6	260.6	1.0
S	33,697	166	372	0.92	261.0	261.0	262.0	1.0
T ₂	33,777	57	143	2.39	261.1	261.1	262.1	1.0
U ₂	35,916	16	54	2.95	274.0	274.0	275.0	1.0
Walnut Creek Tributary No. 1								
A	2,958	77	601	1.48	184.3	184.3	185.3	1.0
B	3,058	168	1,102	0.80	185.8	185.8	186.8	1.0
C	6,143	71	292	1.78	194.6	194.6	195.6	1.0
D	8,124	55	272	1.77	205.3	205.3	206.3	1.0
*E	9,953	32	165	2.43	213.4	213.4	213.6	0.2

¹Feet above mouth

²Cross section not shown on map; located outside county limits

*The 100-year storm discharge is contained within the top width of the existing channel at this depth

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

SULPHUR BRANCH-WALNUT CREEK TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY (FEET NGVD)	INCREASE
Mink Branch								
A	2,550	357	3,066	1.19	190.7	190.7	191.7	1.0
B	7,100	205	1,453	2.52	196.4	196.4	197.4	1.0
C	10,650	165	1,360	2.77	202.5	202.5	203.5	1.0
D	12,491	563	2,291	0.96	204.4	204.4	205.4	1.0
E	12,641	340	1,515	1.46	205.4	205.4	206.4	1.0
*F	15,572	62	578	3.91	209.2	209.2	209.7	0.5
G	18,915	57	527	4.34	215.3	215.3	216.3	1.0
*H	22,591	78	630	3.64	222.8	222.8	223.3	0.5
I	25,611	95	515	3.47	230.5	230.5	231.5	1.0
*J	28,051	57	424	3.89	236.1	236.1	236.8	0.7
K	28,151	209	1,318	1.25	238.8	238.8	239.8	1.0
L	30,755	126	591	2.27	241.7	241.7	242.7	1.0
*M	34,858	19	125	5.07	253.2	253.2	253.7	0.5
N	34,943	68	466	1.36	257.5	257.5	258.5	1.0
Arnold Branch								
A	356	94	972	1.88	202.7	202.7	203.7	1.0
B	456	112	987	1.85	202.7	202.7	203.7	1.0
C	2,621	153	704	2.61	206.4	206.4	207.4	1.0
D	2,721	63	528	3.48	206.9	206.9	207.9	1.0
E	4,051	158	701	2.45	209.6	209.6	210.6	1.0
F	4,101	162	738	2.33	209.9	209.9	210.9	1.0
G	5,536	246	491	3.45	213.8	213.8	214.8	1.0
H	8,008	80	519	2.67	220.2	220.2	221.2	1.0
I	8,108	324	1,051	2.52	220.8	220.8	221.8	1.0
J	10,146	54	411	3.36	227.6	227.6	228.6	1.0

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

MINK BRANCH-ARNOLD BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Arnold Branch (cont.)								
K	12,346	84	421	3.24	234.4	234.4	235.4	1.0
L	12,696	55	226	6.02	238.8	238.8	239.8	1.0
*M	14,688	92 ²	408	2.57	241.4	241.4	241.9	0.5
N	14,788	304 ²	1,364	0.77	243.7	243.7	244.7	1.0
*O	16,658	87	352	1.95	246.6	246.6	247.1	0.5
P	16,748	62	352	1.95	247.3	247.3	248.3	1.0
Log Gully								
A	1,408	293	2,799	0.53	195.2	195.2	196.2	1.0
B	1,508	231	2,041	0.73	195.3	195.3	196.3	1.0
C	4,849	43	479	3.17	197.5	197.5	198.5	1.0
D	9,898	37	302	4.48	206.4	206.4	207.4	1.0
E	9,998	159	583	2.32	206.6	206.6	207.6	1.0
F	14,373	86	402	3.03	217.5	217.5	218.5	1.0
G	13,699	72	351	3.03	227.1	227.1	228.1	1.0
H	18,799	48	324	3.28	227.7	227.7	228.7	1.0
I	21,008	66	425	2.37	232.7	232.7	233.7	1.0
*J	23,656	82	382	2.26	238.1	238.1	238.3	0.2
K	23,756	133	980	0.88	244.0	244.0	245.0	1.0
L	26,311	58	385	2.09	248.6	248.6	249.6	1.0
M	28,704	835	806	0.96	254.4	254.4	255.4	1.0
N	28,804	644	409	1.89	255.3	255.3	256.3	1.0

¹Feet above mouth.

²Floodway width extends beyond county limits.

*The 100-year storm discharge is contained within the top width of the existing channel of this depth.

TABLE 3	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TX (UNINCORPORATED AREAS)	FLOODWAY DATA
		ARNOLD BRANCH-LOG GULLY

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Log Gully (cont.) *0 ²	30,578	61	275	2.37	260.1	260.1	260.6	0.5
Brushy Creek								
A	6,238	827	7,502	1.61	184.4	184.4	185.4	1.0
B	11,613	648	5,121	2.41	191.4	191.4	192.4	1.0
C	16,615	510	5,116	2.44	197.5	197.5	198.5	1.0
D	16,715	401	4,252	2.94	197.8	197.8	198.8	1.0
E	19,419	776	6,896	1.83	200.3	200.3	201.3	1.0
F	25,583	461	5,468	2.36	207.1	207.1	208.1	1.0
G	30,599	515	2,799	1.56	214.9	214.9	215.9	1.0
Threemile Creek								
A	4,309	716	5,965	1.44	210.5	210.5	211.5	1.0
East Fork of San Jacinto River								
A	49,223	1,025 ³	11,023	5.00	69.4	69.4	70.4	1.0
B	49,498	928	14,306	3.85	71.3	71.3	72.3	1.0
C	58,970	2,348	27,605	2.01	78.0	78.0	79.0	1.0
D	63,343	1,516 ³	20,811	2.68	80.5	80.5	81.5	1.0
E	67,829	1,717 ³	23,123	2.43	85.0	85.0	86.0	1.0
F	73,355	2,975 ³	29,949	1.89	89.1	89.1	90.1	1.0
G	78,105	1,877 ⁴	24,234	2.33	93.3	93.3	94.3	1.0

¹Feet above mouth.

³Floodway width extends beyond county limits.

²Cross section not shown on map; lies outside county limits.

⁴Floodway lies outside county limits.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

**LOG GULLY-BRUSHY CREEK-THREEMILE CREEK-
EAST FORK OF SAN JACINTO RIVER**

BEST COPY AVAILABLE

100

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
(FEET NGVD)								
Church House Gully								
A ²	1,734	634	2,448	0.38	66.3	66.3	67.3	1.0
*B	4,404	56	133	2.17	72.7	72.7	72.7	0.0
*C	6,047	59	99	2.46	79.3	79.3	79.3	0.0
*D	7,879	37	77	1.62	88.1	88.1	88.6	0.5
Orton Gully								
*A	2,410	80	538	1.61	73.5	73.5	74.0	0.5
*B	5,117	95	362	2.22	77.3	77.3	77.8	0.5
C	6,522	142	360	2.16	81.5	81.5	82.5	1.0
D	6,622	115	355	2.19	81.8	81.8	82.8	1.0
*E	9,101	130	202	2.79	91.7	91.7	91.7	0.0
Live Branch								
*A ³	19,872	798	5,282	0.39	202.8	202.8	203.3	0.5
B	21,809	700	685	2.26	205.6	205.6	206.6	1.0
C	21,989	369	1,421	1.09	210.4	210.4	211.4	1.0
D	24,590	181	630	2.40	220.3	220.3	221.3	1.0
E	24,690	46	263	5.76	220.6	220.6	221.6	1.0
*F	28,333	109	354	4.12	236.7	236.7	237.2	0.5
G	28,433	102	482	3.03	238.8	238.8	239.8	1.0
*H	29,651	59	195	4.47	245.6	245.6	246.1	0.5
*I	31,974	100	98	3.12	264.3	264.3	264.3	0.0

¹Feet above mouth for Church House Gully and Orton Gully; feet³ above Lake Conroe Dam for Live Branch.

²Cross section not shown on map; lies outside county limits. ³Common flood plain with Bell Creek.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

CHURCH HOUSE GULLY-ORTON GULLY-LIVE BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Bell Creek								
A	640	257	1,648	0.80	210.4	210.4	211.4	1.0
B	3,449	104	385	2.58	220.9	220.9	221.9	1.0
C	5,657	73	241	3.43	231.7	231.7	232.7	1.0
* D	5,707	78	117	7.06	233.2	233.2	233.2	0.0
E	5,757	144	667	1.24	234.0	234.0	235.0	1.0
* F	9,595	42	77	2.73	262.5	262.5	262.5	0.0
Lewis Creek								
A	17,856	352	625	1.39	205.1	205.1	206.1	1.0
* B	21,802	120	639	1.19	212.1	212.1	212.6	0.5
C	33,467	165	590	2.30	269.9	269.9	270.9	1.0
D	36,472	72	210	2.82	289.4	289.4	290.4	1.0
Weirs Creek								
A	18,973	799	4,626	1.56	206.7	206.7	207.7	1.0
B	22,005	1,060	5,181	1.33	210.5	210.5	211.5	1.0
C	27,385	700	2,461	2.70	219.6	219.6	220.6	1.0
D	27,935	702	2,343	2.84	221.3	221.3	222.3	1.0
E	31,124	518	1,776	2.88	228.4	228.4	229.4	1.0

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

BELL CREEK-LEWIS CREEK-WEIRS CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Weirs Creek (cont.)								
F	32,195	288	965	3.07	230.4	230.4	231.4	1.0
G	35,561	258	847	3.26	244.5	244.5	245.5	1.0
H	39,997	96	618	4.32	258.4	258.4	259.4	1.0
I	41,941	86	463	4.83	263.9	263.9	264.9	1.0
J	42,091	149	1,100	2.03	266.2	266.2	267.2	1.0
K	42,456	344	3,827	0.58	273.0	273.0	274.0	1.0
L	43,499	219	2,380	0.91	273.2	273.2	274.2	1.0
M	43,649	183	1,597	1.36	273.4	273.4	274.4	1.0
Chambers Creek								
A	2,593	162	505	3.14	218.8	218.8	219.8	1.0
*B	5,481	83	405	2.65	234.7	234.7	235.2	0.5
*C	8,757	42	51	5.64	261.6	261.6	261.6	0.0
Shepard Branch								
A	3,137	157	475	4.27	232.6	232.6	233.6	1.0
*B	7,541	69	361	5.75	246.2	246.2	246.7	0.5
C	7,641	122	885	2.35	248.4	248.4	249.4	1.0
D	8,960	280	459	3.47	256.2	256.2	257.2	1.0
*E	12,505	102	132	4.14	277.4	277.4	277.4	0.0
F	12,605	137	435	1.25	283.7	283.7	284.7	1.0

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

WEIRS CREEK-CHAMBERS CREEK-SHEPARD BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Weirs Creek								
Tributary No. 1								
A	1,547	241	744	3.09	233.5	233.5	234.5	1.0
*B	7,368	33	204	4.37	261.2	261.2	261.2	0.0
*C	9,141	109	177	3.85	273.7	273.7	273.7	0.0
*D	9,741	78	93	7.30	279.5	279.5	279.5	0.0
*E	11,196	130	46	2.99	294.6	294.6	294.6	0.0
Hosstetter Creek								
A	15,573	217	1,342	3.68	207.7	207.7	208.7	1.0
B	15,723	298	1,952	2.53	208.4	208.4	209.4	1.0
C	19,476	236	1,240	4.02	215.6	215.6	216.6	1.0
D	21,923	543	2,628	1.85	223.6	223.6	224.6	1.0
E	25,850	365	2,246	1.98	234.1	234.1	235.1	1.0
F	29,972	364	2,010	1.96	241.9	241.9	242.9	1.0
Gum Branch								
A	1,945	356	1,509	2.24	202.9	202.9	203.9	1.0
B	2,045	299	1,174	2.88	203.9	203.9	204.9	1.0
C ²	6,108	403	2,047	1.79	216.4	216.4	217.4	1.0
D ²	9,633	384	2,098	1.77	226.9	226.9	227.9	1.0

¹Feet above mouth.

²Cross section not shown on map; lies outside county limits.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

WEIRS CREEK TRIBUTARY NO. 1-HOSSTETTER CREEK-GUM BRANCH

104

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Rush Creek								
A	16,881	319	1,525	0.80	202.8	202.8 ²	203.8 ²	1.0
B	17,550	377	486	2.63	204.5	204.5	205.5	1.0
*C	19,211	45	204	4.94	209.9	209.9	210.4	0.5
D	20,564	356	652	1.23	219.7	219.7	220.7	1.0
*E	20,664	62	120	6.67	220.3	220.3	220.8	0.5
*F	21,567	58	153	2.44	225.3	225.3	225.8	0.5
*G	21,667	92	418	0.89	226.4	226.4	226.9	0.5
*H	23,027	52	62	4.71	234.0	234.0	234.0	0.0
*I	24,253	55	66	3.19	243.2	243.2	243.2	0.0
Rush Creek Tributary No. 1								
*A	1,848	173	536	1.28	202.8	202.8 ²	202.8 ²	0.0
*B	2,907	183	144	3.38	206.9	206.9	206.9	0.0
*C	3,429	49	92	4.96	211.3	211.3	211.3	0.0
*D	3,529	134	493	0.93	216.2	216.2	216.7	0.5
Rush Creek Tributary No. 2								
*A	430	45	111	3.31	210.4	210.4	210.9	0.5
B	530	34	163	2.25	213.7	213.7	214.7	1.0
*C	1,244	71	120	2.86	216.2	216.2	216.2	0.0
D	2,886	362	1,261	0.21	240.2	240.2	241.2	1.0
*E	4,067	83	23	4.16	249.8	249.8	249.8	0.0

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

²Elevations computed based on backwater effects from Lake Conroe.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

RUSH CREEK-RUSH CREEK TRIBUTARY NO. 1-RUSH CREEK TRIBUTARY NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Martin Creek								
A	9,258	175	639	3.31	205.5	205.5	206.5	1.0
*B	12,514	34	272	6.23	217.1	217.1	217.6	0.5
*C	13,895	127	478	3.25	218.3	218.3	218.3	0.0
*D	13,995	93	678	2.29	223.1	223.1	223.6	0.5
*E	14,222	71	280	5.26	225.2	225.2	225.2	0.0
*F	14,422	276	4,147	0.35	236.3	236.3	236.8	0.5
*G	16,371	66	245	3.78	239.8	239.8	239.8	0.0
Stewart Creek North								
A	5,708	368	1,925	1.87	207.1	207.1	208.1	1.0
B	5,908	431	3,077	1.17	208.3	208.3	209.3	1.0
C	8,376	428	2,245	1.62	213.2	213.2	214.2	1.0
D	11,472	66	617	5.54	219.9	219.9	220.9	1.0
*E	14,758	92	575	4.61	228.3	228.3	228.8	0.5
*F	14,908	147	794	3.34	229.2	229.2	229.7	0.5
G ₂	18,749	57	372	5.45	243.5	243.5	244.5	1.0
*H ₂	22,177	33	109	3.77	266.9	266.9	267.4	0.5
I ₂	22,277	143	948	0.43	273.8	273.8	274.8	1.0

¹Feet above mouth.

²Cross section not shown on map; lies outside county limits.

*The 100-year storm discharge is contained within the top width of the existing channel at the depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

MARTIN CREEK- STEWART CREEK NORTH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Atkins Creek								
A	40,066	649	2,766	1.69	204.9	204.9	205.9	1.0
B	46,748	404	1,782	2.57	216.4	216.4	217.4	1.0
C	51,508	67	242	4.30	232.3	232.3	233.3	1.0
D	51,608	152	689	1.51	235.2	235.2	236.2	1.0
E	53,450	29	126	6.19	244.8	244.8	245.8	1.0
F	55,260	50	205	2.95	258.4	258.4	259.4	1.0
Town Creek								
A	5,472	709	1,884	2.46	228.2	228.2	229.2	1.0
B	10,078	427	2,560	1.96	236.5	236.5	237.5	1.0
C	12,403	215	1,481	2.89	240.8	240.8	241.8	1.0
D	12,503	265 ²	1,764	2.43	241.8	241.8	242.8	1.0
E	14,458	468 ²	2,360	1.84	243.1	243.1	244.1	1.0
F	18,278	288	1,224	2.56	250.9	250.9	251.9	1.0
G	21,739	111	490	3.05	263.6	263.6	264.6	1.0
H	25,019	95	329	2.03	281.3	281.3	282.3	1.0

¹Feet above mouth.

²Floodway lies outside county limits.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

ATKINS CREEK-TOWN CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Town Creek Tributary No. 1								
A	1,621	181	589	1.65	242.6	242.6	243.6	1.0
B	1,721	224	765	1.27	243.8	243.8	244.8	1.0
C	2,761	343	616	1.47	246.8	246.8	247.8	1.0
D	2,861	351	1,134	0.84	249.0	249.0	250.0	1.0
E	4,871	101	439	2.09	261.2	261.2	262.2	1.0
F	6,641	78	437	1.84	268.9	268.9	269.9	1.0
G	6,741	170	1,304	0.62	272.8	272.8	273.8	1.0
H	10,148	81	293	1.72	289.1	289.1	290.1	1.0
Town Creek Tributary No. 2								
A	1,938	79	359	3.87	251.3	251.3	252.3	1.0
*B	4,734	85	322	2.06	265.5	265.5	266.0	0.5
Carwile Creek								
A	3,782	113	712	2.82	262.5	262.5	263.5	1.0
B	7,107	130	445	2.64	275.4	275.4	276.4	1.0

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

TOWN CREEK TRIBUTARY NO. 1-TOWN CREEK TRIBUTARY NO. 2-CARWILE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Lake Creek								
A	10,392	2,536	25,789	1.28	135.1	135.1	136.1	1.0
B	15,687	1,668	18,428	1.79	137.8	137.8	138.8	1.0
C	18,004	1,323	13,955	2.36	139.4	139.4	140.4	1.0
D	23,098	1,074	14,801	2.23	142.4	142.4	143.4	1.0
E	30,048	2,723	26,871	1.23	144.6	144.6	145.6	1.0
F	36,572	1,815	20,097	1.64	147.4	147.4	148.4	1.0
G	42,276	2,146	25,025	1.32	149.5	149.5	150.5	1.0
H	42,376	2,193	24,082	1.37	150.0	150.0	151.0	1.0
I	45,094	1,947	21,621	1.53	151.3	151.3	152.3	1.0
J	50,631	2,620	22,768	1.46	153.9	153.9	154.9	1.0
K	55,610	3,996	29,971	1.11	155.7	155.7	156.7	1.0
L	61,716	3,656	28,997	1.14	158.1	158.1	159.1	1.0
M	69,046	3,748	22,978	1.45	160.8	160.8	161.8	1.0
N	69,146	3,686	25,446	1.31	161.1	161.1	162.1	1.0
O	75,734	3,744	26,956	1.25	163.8	163.8	164.8	1.0
P	80,886	3,522	22,632	1.49	166.1	166.1	167.1	1.0
Q	83,940	3,410	21,137	1.60	168.8	168.8	169.8	1.0
R	89,852	3,864	21,526	1.57	171.2	171.2	172.2	1.0
S	96,462	2,440	19,487	1.73	176.9	176.9	177.9	1.0
T	101,505	2,410	17,482	1.93	178.9	178.9	179.9	1.0
U	107,334	2,190	18,830	1.80	181.3	181.3	182.3	1.0
V	112,783	1,530	14,430	2.34	185.6	185.6	186.6	1.0
W	112,898	1,670	15,667	2.16	185.9	185.9	186.9	1.0
X	119,217	2,794	21,323	1.59	187.5	187.5	188.5	1.0
Y	123,997	2,070	18,803	1.80	190.4	190.4	191.4	1.0
Z	128,337	3,175	21,739	1.56	191.5	191.5	192.5	1.0
AA	132,991	2,919	19,587	1.73	193.3	193.3	194.3	1.0

¹Feet above mouth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

LAKE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Lake Creek (cont.)								
AB	136,071	2,487	17,241	1.97	195.7	195.7	196.7	1.0
AC	141,075	2,165	16,093	2.09	197.1	197.1	198.1	1.0
AD	143,255	660	8,619	3.89	197.8	197.8	198.8	1.0
AE	148,731	931	13,277	2.52	204.9	204.9	205.9	1.0
AF	152,483	1,433	16,509	2.03	206.2	206.2	207.2	1.0
AG	155,448	2,683	26,871	1.24	206.6	206.6	207.6	1.0
AH	157,667	2,673	26,111	1.27	206.9	206.9	207.9	1.0
AI	163,939	1,960	22,222	1.30	208.6	208.6	209.6	1.0
AJ	167,576	2,025	18,862	1.56	210.0	210.0	211.0	1.0
AK	170,904	908	11,353	2.59	211.5	211.5	212.5	1.0
AL	171,004	976	12,904	2.28	212.0	212.0	213.0	1.0
AM	171,508	1,349	15,370	1.91	212.3	212.3	213.3	1.0
AN	172,108	2,010	25,831	1.14	213.2	213.2	214.2	1.0
AO	173,043	1,517	20,567	1.43	213.4	213.4	214.4	1.0
AP	173,243	1,431	19,178	1.53	213.7	213.7	214.7	1.0
AQ	177,095	2,376	29,782	0.99	213.9	213.9	214.9	1.0
AR	181,954	2,296	22,849	1.29	214.7	214.7	215.7	1.0
AS	185,935	2,579	21,920	1.16	215.6	215.6	216.6	1.0
AT	189,540	1,593	13,224	1.95	218.3	218.3	219.3	1.0
AU	194,272	2,171	16,061	1.69	221.6	221.6	222.6	1.0
AV	198,130	1,311	13,301	2.04	223.8	223.8	224.8	1.0
AW	204,699	2,040	17,603	1.54	226.2	226.2	227.2	1.0
AX	209,041	2,901	22,895	1.18	227.6	227.6	228.6	1.0
AY	211,749	2,359	14,774	1.83	229.1	229.1	230.1	1.0
AZ	211,849	2,392	16,901	1.60	229.4	229.4	230.4	1.0
BA	216,274	2,605	20,186	1.34	233.8	233.8	234.8	1.0

¹Feet above mouth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

LAKE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Lake Creek (cont.)								
BB	219,443	2,969	22,871	1.18	236.2	236.2	237.2	1.0
BC	222,582	1,821	14,832	1.83	239.6	239.6	240.6	1.0
BD	226,064	2,896	20,077	1.37	243.3	243.3	244.3	1.0
BE	229,947	2,084	16,345	1.68	244.6	244.6	245.6	1.0
BF	234,027	2,919	19,820	1.39	248.3	248.3	249.3	1.0
BG	237,785	2,390	13,742	1.93	250.9	250.9	251.9	1.0
BH	242,490	1,610	8,422	2.12	253.2	253.2	254.2	1.0
BI	246,523	1,919 ²	8,935	2.03	256.8	256.8	257.8	1.0
BJ	252,038	2,054 ²	10,392	1.95	261.8	261.8	262.8	1.0
Fish Creek								
A	5,874	128	1,138	2.18	150.0	150.0	151.0	1.0
B	7,236	173	1,361	1.82	151.7	151.7	152.7	1.0
C	8,870	481	1,883	1.31	155.4	155.4	156.4	1.0
D	10,744	117	791	3.11	160.3	160.3	161.3	1.0
E	12,788	260	1,372	1.78	164.6	164.6	165.6	1.0
F	17,740	137	958	2.45	174.5	174.5	175.5	1.0
G	20,900	72	475	4.60	185.8	185.8	186.8	1.0
*H	23,186	71	464	4.49	192.7	192.7	193.2	0.5
I	26,066	163	646	2.68	204.8	204.8	205.8	1.0

¹Feet above mouth.

²Floodway width extends beyond county limits.

* The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

LAKE CREEK-FISH CREEK

111

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Fish Creek (cont.)								
J	28,575	86	395	3.40	213.2	213.2	214.2	1.0
K	30,532	52	319	3.85	220.5	220.5	221.5	1.0
L	33,225	45	200	4.38	228.2	228.2	229.2	1.0
M	33,375	197	684	1.28	230.3	230.3	231.3	1.0
N	33,515	135	640	1.37	230.7	230.7	231.7	1.0
*O	36,591	160	1,019	0.82	239.7	239.7	239.9	0.2
P	37,073	68	363	2.30	241.0	241.0	242.0	1.0
Mound Creek								
A	9,246	733	6,061	0.99	152.3	152.3	153.3	1.0
B	12,852	760	4,233	1.41	157.7	157.7	158.7	1.0
C	12,952	788	5,730	1.05	158.8	158.8	159.8	1.0
D	14,846	564	3,961	1.51	162.1	162.1	163.1	1.0
E	18,621	614	3,633	1.64	167.4	167.4	168.4	1.0
F	20,610	650	3,551	1.68	170.6	170.6	171.6	1.0
G	22,449	504	2,854	2.09	173.7	173.7	174.7	1.0
H	25,105	429	2,605	2.24	179.3	179.3	180.3	1.0
I	25,205	508	3,328	1.76	179.6	179.6	180.6	1.0
J	27,836	309	2,582	2.25	184.2	184.2	185.2	1.0
K	31,971	465	2,515	2.21	192.0	192.0	193.0	1.0
L	35,671	726	3,249	1.69	198.2	198.2	199.2	1.0
M	37,721	649	2,506	2.02	203.0	203.0	204.0	1.0
N	39,660	168	1,284	3.95	206.7	206.7	207.7	1.0
O ²	39,760	169	1,119	4.52	207.3	207.3	208.3	1.0
P ²	39,860	605	3,405	1.43	210.7	210.7	211.7	1.0

¹Feet above mouth.

²Common flood plain with Mound Creek Tributary No. 1.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

FISH CREEK-MOUND CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Mound Creek (cont.)								
Q	41,842	470	2,587	1.60	211.7	211.7	212.7	1.0
R	44,976	424	1,819	2.30	215.2	215.2	216.2	1.0
S	49,153	464	1,950	2.19	222.2	222.2	223.2	1.0
T	51,521	67	512	8.51	226.7	226.7	227.7	1.0
U	54,281	381	611	3.16	230.6	230.6	231.6	1.0
V	54,382	590	1,517	1.27	232.8	232.8	233.8	1.0
W	57,515	150	529	3.53	241.9	241.9	242.9	1.0
X	59,195	87	432	4.16	247.1	247.1	248.1	1.0
Y	59,294	112	456	3.95	247.4	247.4	248.4	1.0
Z	62,780	121	407	4.02	259.2	259.2	260.2	1.0
AA	64,892	146	611	2.56	266.2	266.2	267.2	1.0
AB	68,754	34	199	4.48	282.8	282.8	283.8	1.0
* AC	73,857	63	108	2.75	311.4	311.4	311.4	0.0
Deer Lake Branch								
A	709	80	483	3.74	201.4	201.4	202.4	1.0
B	2,221	124	864	1.91	212.8	212.8	213.8	1.0
Mound Creek Tributary No. 1								
A	1,853	98	340	1.83	214.9	214.9	215.9	1.0
B	4,464	32	147	3.95	229.5	229.5	230.5	1.0
*C	6,661	60	332	1.57	247.6	247.6	247.6	0.0

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

MOUND CREEK-DEER LAKE BRANCH-MOUND CREEK TRIBUTARY NO. 1

113

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Mound Creek Tributary No. 1 (cont.)								
*D	6,765	46	316	1.65	247.7	247.7	248.2	0.5
E	7,859	28	83	3.48	253.8	253.8	254.8	1.0
Lake Creek Tributary No. 1								
A	4,446	240	1,258	0.79	152.2	152.2	153.2	1.0
B	4,546	289	1,286	0.77	152.3	152.3	153.3	1.0
C	7,546	109	389	1.50	162.8	162.8	163.8	1.0
D	7,646	327	664	0.88	163.4	163.4	164.4	1.0
E	9,433	41	188	2.37	173.0	173.0	174.0	1.0
F	9,534	47	189	2.36	173.4	173.4	174.4	1.0
*G	11,471	43	146	1.67	184.9	184.9	185.1	0.2
Lake Creek Tributary No. 2								
A	2,799	391	1,515	0.69	153.0	153.0	154.0	1.0
B	2,899	316	1,506	0.69	154.7	154.7	155.7	1.0
*C	4,840	58	246	4.24	161.6	161.6	161.8	0.2
*D	7,722	51	256	4.07	173.6	173.6	174.1	0.5
E	10,007	64	272	2.92	182.1	182.1	183.1	1.0
F	13,137	47	224	3.05	193.2	193.2	194.2	1.0

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

**MOUND CREEK TRIBUTARY NO. 1-LAKE CREEK TRIBUTARY NO. 1-
LAKE CREEK TRIBUTARY NO. 2**

114

FLOODING SOURCE		FLOODWAY			BASF FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Lake Creek Tributary No. 3								
A	7,620	183	1,178	1.99	189.0	189.0	190.0	1.0
B	10,907	139	742	3.34	201.0	201.0	202.0	1.0
C	14,827	99	589	3.73	213.4	213.4	214.4	1.0
D	14,927	76	546	4.03	214.0	214.0	215.0	1.0
*E	17,858	80	476	4.34	223.9	223.9	224.1	0.2
F	22,098	45	305	5.33	249.1	249.1	250.1	1.0
G	24,522	68	447	1.64	263.9	263.9	264.9	1.0
H	27,443	87	250	2.34	279.3	279.3	280.3	1.0
*I	29,586	95	208	1.82	294.3	294.3	294.5	0.2
Landrum Creek								
A	3,398	1,384	7,658	0.80	195.9	195.9	196.9	1.0
B	5,353	560	2,591	1.92	198.4	198.4	199.4	1.0
C	7,617	341	1,541	3.45	203.6	203.6	204.6	1.0
D	7,717	463	3,313	1.60	207.0	207.0	208.0	1.0
E	10,817	417	2,036	2.05	212.4	212.4	213.4	1.0
F	14,214	419	1,619	2.43	217.0	217.0	218.0	1.0
G	18,370	260	1,155	2.45	228.4	228.4	229.4	1.0
H	20,949	152	723	3.85	234.7	234.7	235.7	1.0
I	23,862	65	486	5.54	244.6	244.6	245.6	1.0
*J	26,413	63	186	4.95	256.8	256.8	257.0	0.2

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3	FEDERAL EMERGENCY MANAGEMENT AGENCY MONTGOMERY COUNTY, TX (UNINCORPORATED AREAS)	FLOODWAY DATA
		LAKE CREEK TRIBUTARY NO. 3-LANDRUM CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Spring Branch No. 2								
A	3,471	265	889	1.69	208.3	208.3	209.3	1.0
* B	6,668	33	223	7.40	221.8	221.8	222.0	0.2
* C	10,495	30	146	4.52	243.9	243.9	244.4	0.5
D	13,173	98	140	3.58	264.2	264.2	265.2	1.0
E	13,273	210	880	0.57	269.1	269.1	270.1	1.0
F	14,186	18	70	5.51	279.1	279.1	280.1	1.0
G	14,286	57	331	1.17	282.8	282.8	283.8	1.0
* H	15,856	66	71	3.06	298.0	298.0	298.0	0.0
Lake Creek Tributary No. 4								
A	3,137	343	1,974	1.29	201.1	201.1	202.1	1.0
B	3,237	238	1,397	1.83	201.3	201.3	202.3	1.0
C	5,027	66	472	5.38	205.0	205.0	206.0	1.0
D	9,770	268	1,196	2.09	222.1	222.1	223.1	1.0
E	14,197	44	277	5.48	237.1	237.1	238.1	1.0
F	14,297	163	754	2.01	239.2	239.2	240.2	1.0
* G	17,340	42	204	4.36	254.6	254.6	254.8	0.2

¹ Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

SPRING BRANCH NO. 2-LAKE CREEK TRIBUTARY NO. 4

BEST COPY AVAILABLE

116

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Lake Creek Tributary No. 5								
A	3,617	202	853	2.92	210.1	210.1	211.1	1.0
* B	7,043	43	327	7.50	221.7	221.7	222.2	0.5
C	10,542	28	257	8.00	234.5	234.5	235.5	1.0
* D	12,957	66	240	5.96	245.5	245.5	245.5	0.0
* E	15,262	82	265	4.12	253.2	253.2	253.2	0.0
F	15,362	88	1,012	1.08	264.6	264.6	265.6	1.0
G	16,900	20	143	5.26	267.5	267.5	268.5	1.0
Caney Creek No. 2								
A	3,255	1,180	16,163	1.11	208.2	208.2	209.2	1.0
B	3,355	1,444	18,261	0.99	208.9	208.9	209.9	1.0
C	6,982	689	6,310	2.85	210.1	210.1	211.1	1.0
D	7,182	895	9,796	1.84	212.2	212.2	213.2	1.0
E	11,374	674	8,907	2.02	216.1	216.1	217.1	1.0
F	15,571	671	7,135	2.48	218.9	218.9	219.9	1.0
G	15,671	681	9,450	1.87	219.5	219.5	220.5	1.0
H	17,584	1,283	14,745	1.20	219.7	219.7	220.7	1.0
I	17,684	1,278	16,032	1.10	219.9	219.9	220.9	1.0
J	21,024	1,799	14,153	1.27	220.5	220.5	221.5	1.0
K ²	23,505	1,344	9,380	1.92	221.3	221.3	222.3	1.0

¹Feet above mouth

²Floodway extends beyond County limits

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

LAKE CREEK TRIBUTARY NO. 5-CANEY CREEK NO. 2

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Lake Creek Tributary No. 6								
A	6,650	290	735	1.16	211.5	211.5	212.5	1.0
* B	6,740	64	252	3.37	211.8	211.8	211.8	0.0
C	7,370	279	1,405	0.57	215.4	215.4	216.4	1.0
D	7,470	275	1,680	0.48	216.4	216.4	217.4	1.0
E	9,083	76	241	3.12	223.3	223.3	224.3	1.0
F	9,208	64	297	2.47	225.4	225.4	226.4	1.0
G	9,480	245	1,177	0.61	228.0	228.0	229.0	1.0
H	11,380	28	150	3.39	237.9	237.9	238.9	1.0
Lake Creek Tributary No. 7								
A	1,824	679	2,852	0.50	213.8	213.8	214.8	1.0
B	1,974	601	2,639	0.34	215.9	215.9	216.9	1.0
C	3,226	235	615	2.27	218.6	218.6	219.6	1.0
D	3,326	254	1,094	1.28	220.6	220.6	221.6	1.0
* E	6,436	41	267	5.02	230.3	230.3	230.5	0.2
* F	8,798	37	227	4.36	240.5	240.5	240.7	0.2
G	8,898	83	884	1.12	246.9	246.9	247.9	1.0
* H	10,478	27	185	2.93	251.4	251.4	251.9	0.5

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

LAKE CREEK TRIBUTARY NO. 6-LAKE CREEK TRIBUTARY NO. 7

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Little Caney Creek No. 3								
A	2,256	1,441	12,974	1.03	214.8	214.8	215.8	1.0
B	2,356	1,467	13,958	0.96	215.4	215.4	216.4	1.0
C	4,736	1,075	6,969	1.93	216.2	216.2	217.2	1.0
D	4,886	1,312	10,038	1.34	217.8	217.8	218.8	1.0
E	8,340	1,053	7,038	1.93	221.6	221.6	222.6	1.0
F	11,037	1,136	7,519	1.82	224.2	224.2	225.2	1.0
G	11,162	1,097	7,274	1.88	224.6	224.6	225.6	1.0
H	14,482	980	6,246	2.21	228.0	228.0	229.0	1.0
I	18,383	1,293	9,545	1.50	232.4	232.4	233.4	1.0
J	22,994	1,535 ²	7,795	1.87	236.6	236.6	237.6	1.0
K	27,545	900 ²	8,406	1.75	241.5	241.5	242.5	1.0
Kidhaw Branch								
A	4,164	266	978	2.92	267.3	267.3	268.3	1.0
B	8,150	177	648	3.12	280.1	280.1	281.1	1.0
C	10,968	287	638	2.82	291.7	291.7	292.7	1.0
* D	13,700	46	192	5.91	308.2	308.2	308.9	0.7
E	13,825	209	1,283	0.88	312.8	312.8	313.8	1.0
F	16,450	79	238	1.92	326.4	326.4	327.4	1.0

¹Feet above mouth.

²Floodway width extends beyond county limits.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

LITTLE CANEY CREEK NO. 3-KIDHAW BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Little Lake Creek								
A	37,558	477	4,202	2.27	206.8	206.8	207.8	1.0
B	42,216	877	6,397	1.45	212.2	212.2	213.2	1.0
C	43,299	1,016	6,617	1.36	213.2	213.2	214.2	1.0
D	45,812	751	5,894	1.53	216.8	216.8	217.8	1.0
E	49,040	652	4,850	1.88	220.4	220.4	221.4	1.0
F	49,140	549	4,013	2.27	220.6	220.6	221.6	1.0
G	53,750	563	4,460	1.57	226.2	226.2	227.2	1.0
H	57,283	502	9,322	0.75	231.5	231.5	232.5	1.0
I	61,646	570	4,128	1.69	239.0	239.0	240.0	1.0
J	64,131	516	3,123	1.40	243.0	243.0	244.0	1.0
K	68,938	457	2,117	1.61	256.5	256.5	257.5	1.0
L	73,337	314	1,443	1.93	268.6	268.6	269.6	1.0
M	77,897	556	1,287	1.67	279.0	279.0	280.0	1.0
* N	82,020	97	519	2.69	291.6	291.6	291.6	0.0
* O	85,154	129	190	2.00	305.5	305.5	305.5	0.0
Little Lake Creek Tributary No. 1								
A	924	147	535	1.22	212.1	212.1	213.1	1.0
B	1,024	187	723	0.90	213.0	213.0	214.0	1.0
C	3,138	67	304	2.07	224.0	224.0	225.0	1.0

¹Feet above mouth

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

LITTLE LAKE CREEK-LITTLE LAKE CREEK TRIBUTARY NO. 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Little Lake Creek Tributary No. 2								
A	2,084	102	407	1.51	214.3	214.3	215.3	1.0
B	2,184	115	513	1.20	215.7	215.7	216.7	1.0
C	2,984	76	328	1.85	219.7	219.7	220.7	1.0
D	3,084	97	322	1.88	220.4	220.4	221.4	1.0
E	3,310	130	337	1.59	221.2	221.2	222.2	1.0
F	3,410	82	232	2.58	222.0	222.0	223.0	1.0
G	3,697	87	291	2.04	223.7	223.7	224.7	1.0
H	3,797	111	403	1.48	224.4	224.4	225.4	1.0
I	4,236	123	405	1.37	225.8	225.8	226.8	1.0
J	4,336	152	508	1.09	226.1	226.1	227.1	1.0
*K	5,436	164	422	1.17	231.7	231.7	232.2	0.5
Little Lake Creek Tributary No. 3								
A	1,154	323	1,335	0.93	214.5	214.5	215.5	1.0
B	4,964	48	213	5.24	227.6	227.6	228.6	1.0
*C	7,097	35	164	6.18	235.9	235.9	236.4	0.5
D	9,621	28	171	4.33	248.5	248.5	249.5	1.0
Little Lake Creek Tributary No. 4								
A	1,065	344	1,238	1.04	214.4	214.4	215.4	1.0
B	3,977	307	528	1.67	231.8	231.8	232.8	1.0
C	4,077	261	469	1.88	233.4	233.4	234.4	1.0
*D	6,902	36	146	3.25	248.5	248.5	248.5	0.0

¹Feet above mouth.

*The 10-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

LITTLE LAKE CREEK TRIBUTARY NO. 2-
LITTLE LAKE CREEK TRIBUTARY NO. 3-LITTLE LAKE CREEK TRIBUTARY NO. 4

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Little Lake Creek Tributary No. 5								
A	1,900	345	2,062	1.85	222.2	222.2	223.2	1.0
B	4,984	468	1,289	2.30	227.7	227.7	228.7	1.0
C	5,976	439	1,924	1.52	231.7	231.7	232.7	1.0
D	9,806	332	1,027	2.87	243.8	243.8	244.8	1.0
E	13,168	116	502	2.9%	257.3	257.3	258.3	1.0
F	17,565	20	91	5.93	284.0	284.0	285.0	1.0
Pole Creek								
A	1,187	341	1,577	1.32	240.9	240.9	241.9	1.0
B	3,074	201	837	2.40	245.3	245.3	246.3	1.0
C	3,790	91	529	3.86	246.6	246.6	247.6	1.0
D	6,254	113	525	4.26	253.6	253.6	254.6	1.0
E	10,075	42	309	5.51	267.8	267.8	268.8	1.0
* F	13,693	70	324	3.87	280.6	280.6	281.1	0.5
* G	17,875	49	156	3.07	300.6	300.6	301.1	0.5
Sand Branch No. 2								
A	1,556	288	970	1.53	248.5	248.5	249.5	1.0
B	4,691	163	478	2.87	261.7	261.7	262.7	1.0
* C	7,359	108	327	3.58	271.0	271.0	271.5	0.5
* D	11,096	66	137	3.29	289.8	289.8	289.8	0.0
* E	14,875	124	34	1.97	334.9	334.9	334.9	0.0

¹Feet above mouth

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX

(UNINCORPORATED AREAS)

FLOODWAY DATA

LITTLE LAKE CREEK TRIBUTARY NO. 5-POLE CREEK-SAND BRANCH NO. 2

122

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Caney Creek North						(FEET NGVD)		
A	31,290	744	3,799	2.62	205.6	205.6	206.6	1.0
B	33,743	620	3,517	2.69	207.6	207.6	208.6	1.0
C	38,400	1,282	7,404	1.27	212.8	212.8	213.8	1.0
D	42,200	292	2,553	3.66	220.2	220.2	221.2	1.0
E	45,301	1,051	7,703	1.16	222.4	222.4	223.4	1.0
F	49,563	1,155	6,604	1.33	226.7	226.7	227.7	1.0
G	53,217	1,269	5,746	1.50	231.4	231.4	232.4	1.0
H	53,392	1,713	14,263	0.60	235.5	235.5	236.5	1.0
I	55,795	1,199	7,320	1.18	237.4	237.4	238.4	1.0
J	56,987	768	4,903	1.73	238.6	238.6	239.6	1.0
K	60,733	641	4,234	1.84	243.9	243.9	244.9	1.0
L	64,765	1,122	6,504	1.15	247.5	247.5	248.5	1.0
M	68,570	304	1,990	3.73	252.2	252.2	253.2	1.0
N	73,529	274	1,972	3.74	259.2	259.2	260.2	1.0
O	76,210	549	2,957	2.43	262.3	262.3	263.3	1.0
P	77,092	890	3,880	1.66	263.2	263.2	264.2	1.0
Q	81,416	626	3,770	1.70	269.7	269.7	270.7	1.0
R	83,739	438	2,050	2.12	273.4	273.4	274.4	1.0
S	83,864	392	3,095	1.40	276.5	276.5	277.5	1.0
T	86,461	471	2,223	1.87	279.5	279.5	280.5	1.0
U	89,556	272	1,316	3.12	285.8	285.8	286.8	1.0
V	92,231	249	1,235	2.86	293.2	293.2	294.2	1.0
W	92,631	134	765	4.62	294.4	294.4	295.4	1.0
X	96,042	150	767	3.30	305.1	305.1	306.1	1.0
Y	99,872	207	977	1.98	316.6	316.6	317.6	1.0
Z	102,512	83	513	2.57	326.5	326.5	327.5	1.0
AA	106,576	131	452	1.57	341.9	341.9	342.9	1.0

¹Feet above mouth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

CANEY CREEK NORTH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Kelly Branch								
A	3,129	158	814	1.87	228.8	228.8	229.8	1.0
B	6,243	136	555	2.75	239.4	239.4	240.4	1.0
C	9,174	134	470	2.83	250.0	250.0	251.0	1.0
D	9,309	241	784	1.69	251.1	251.1	252.1	1.0
* E	13,192	67	217	3.97	265.2	265.2	265.2	0.0
Green Branch								
A	3,335	199	652	1.16	234.9	234.9	235.9	1.0
B	4,487	83	316	2.30	243.8	243.8	244.8	1.0
C	4,617	159	1,073	0.68	248.3	248.3	249.3	1.0
* D	6,920	48	240	1.86	257.9	257.9	258.4	0.5
* E	9,786	34	87	1.99	275.9	275.9	275.9	0.0
Caney Creek North Tributary No. 1								
A	1,357	125	599	2.00	244.0	244.0	245.0	1.0
B	3,360	236	687	1.51	255.5	255.5	256.5	1.0
Anthony Branch								
A	2,231	493	1,891	1.23	243.3	243.3	244.3	1.0
B	6,065	279	1,214	1.99	255.7	255.7	256.7	1.0
C	10,156	241	991	1.63	265.2	265.2	266.2	1.0
* D	12,381	108	443	2.99	272.9	272.9	273.4	0.5
E	14,498	114	371	3.00	282.4	282.4	283.4	1.0
* F	18,279	51	220	2.74	298.5	298.5	299.0	0.5
* G	18,379	67	335	1.80	299.9	299.9	300.4	0.5

¹Feet above mouth

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

**KELLY BRANCH-GREEN BRANCH-
CANEY CREEK NORTH TRIBUTARY NO. 1-ANTHONY BRANCH**

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Caney Creek North Tributary No. 2								
A	3,596	198	837	1.45	272.4	272.4	273.4	1.0
B	4,836	231	840	1.45	278.2	278.2	279.2	1.0
C	7,258	136	530	2.30	287.3	287.3	288.3	1.0
D	7,358	152	653	1.87	287.7	287.7	288.7	1.0
E	9,047	117	356	2.87	297.0	297.0	298.0	1.0
F	9,172	250	1,114	0.92	300.3	300.3	301.3	1.0
G	11,127	37	200	4.01	308.8	308.8	309.8	1.0
H	11,227	116	547	1.47	310.2	310.2	311.2	1.0
Caney Creek North Tributary No. 3								
A	1,814	103	370	2.88	269.4	269.4	270.4	1.0
*B	5,265	67	218	3.36	284.5	284.5	284.5	0.0
*C	8,356	59	149	3.78	303.6	303.6	303.6	0.0
*D	11,580	55	33	2.46	328.9	328.9	328.9	0.0
Bay Branch								
A	2,892	229	1,511	1.91	277.7	277.7	278.7	1.0
B	2,992	189	1,349	2.14	278.2	278.2	279.2	1.0
C	5,923	210	897	1.93	286.6	286.6	287.6	1.0
D	8,164	214	681	2.34	296.5	296.5	297.5	1.0
*E	10,918	66	193	3.31	315.8	315.8	316.3	0.5
F	11,043	203	1,402	0.45	320.1	320.1	321.1	1.0

¹Feet above mouth.

*The 100-year storm discharge is contained within the top width of the existing channel at this depth.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

**CANEY CREEK NORTH TRIBUTARY NO. 2-
CANEY CREEK NORTH TRIBUTARY NO. 3-BAY BRANCH**

128

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
White Oak Creek								
A	0	653	4,822	1.62	65.2	65.2	66.2	1.0
B	3,300	473	4,162	1.85	69.2	69.2	70.2	1.0
C	7,400	823	7,163	1.03	71.4	71.4	72.4	1.0
D	10,200	714	5,236	1.39	74.0	74.0	75.0	1.0
E	13,300	724	5,193	1.37	77.0	77.0	78.0	1.0
F	16,000	851	5,450	1.26	79.8	79.8	80.8	1.0
G	18,600	753	5,144	1.30	82.2	82.2	83.2	1.0
H	21,800	618	3,882	1.64	86.4	86.4	87.4	1.0
I	22,110	720	6,650	0.95	87.9	87.9	88.9	1.0
J	23,340	764	5,725	1.07	88.7	88.7	89.7	1.0
K	24,780	922	5,943	1.02	89.7	89.7	90.7	1.0
L	25,120	1,112	9,408	0.64	91.8	91.8	92.8	1.0
M	27,640	633	5,157	1.15	93.4	93.4	94.4	1.0
N	31,600	777	5,298	1.07	95.7	95.7	96.7	1.0
O	34,800	467	3,378	1.51	99.3	99.3	100.3	1.0
P	36,700	493	3,597	1.47	101.3	101.3	102.3	1.0
Q	38,620	460	3,584	1.46	103.5	103.5	104.5	1.0
R	42,070	673	4,544	1.10	106.5	106.5	107.5	1.0
S	45,200	883	4,603	1.04	108.4	108.4	109.4	1.0
T	46,900	403	2,900	1.53	111.4	111.4	112.4	1.0
U	49,250	325	2,606	1.67	115.2	115.2	116.2	1.0
V	54,300	2,356	8,486	0.49	116.9	116.9	117.9	1.0
W	62,560	776	3,757	1.06	124.1	124.1	125.1	1.0

¹Feet above county boundary

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

WHITE OAK CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
White Oak Creek (continued)								
X	65,956 ¹	302	1,022	0.55	125.2	125.2	126.2	1.0
Y	67,282 ¹	440	1,106	0.50	125.8	125.8	126.8	1.0
Z	68,279 ¹	143	472	1.16	127.3	127.3	128.3	1.0
AA	68,943 ¹	691	2,958	0.18	129.1	129.1	130.1	1.0
Silverdale Creek								
A	10,700 ²	84	394	3.76	130.8	130.8	131.8	1.0
B	13,950 ²	60	322	3.31	143.7	143.7	144.7	1.0
C	15,725 ²	80	338	3.15	148.2	148.2	149.2	1.0
D	16,425 ²	72	295	3.62	151.5	151.5	152.5	1.0
E	17,425 ²	30	177	5.63	155.3	155.3	156.3	1.0
F	18,575 ²	68	321	2.70	158.0	158.0	159.0	1.0

¹Feet above county boundary

²Feet above confluence with Stewarts Creek

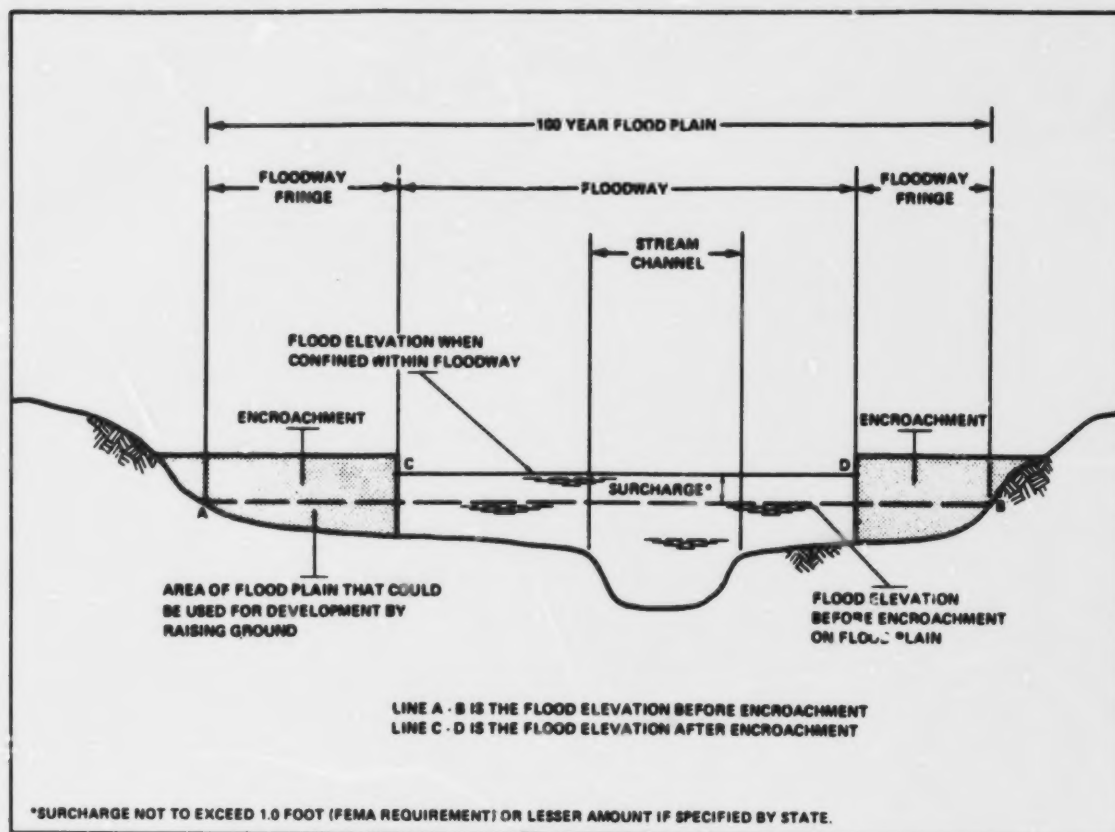
TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOODWAY DATA

WHITE OAK CREEK AND SILVERDALE CREEK



FLOODWAY SCHEMATIC

Figure 10

5.1 Reach Determinations

Reaches are defined as sections of floodplain that have relatively the same flood hazard, based on the average weighted difference in water-surface elevations between the 10- and 100-year floods. This difference may not have a variation greater than that indicated in the following tabulation for more than 20 percent of the reach:

<u>Average Difference Between 10- and 100-Year Floods</u>	<u>Variation</u>
Less than 2 feet	0.5 foot
2 to 7 feet	1.0 foot
7.1 to 12 feet	2.0 feet
More than 12 feet	3.0 feet

The locations of the reaches determined for the flooding sources of the unincorporated areas of Montgomery County are shown on the Flood Profiles (Exhibit 1) and summarized in Table 4.

5.2 Flood Hazard Factors

The Flood Hazard Factor (FHF) is used to establish relationships between depth and frequency of flooding in any reach. This relationship is then used with depth-damage relationships for various classes of structures to establish actuarial insurance rate tables.

The FHF for a reach is the average weighted difference between the 10- and 100-year flood water-surface elevations rounded to the nearest one-half foot, multiplied by 10, and shown as a three-digit code. For example, if the difference between water-surface elevations of the 10- and 100-year floods is 0.7 foot, the FHF is 005; if the difference is 1.4 feet, the FHF is 015; if the difference is 5.0 feet, the FHF is 050. When the difference between the 10- and 100-year flood water-surface elevations is greater than 10.0 feet, it is rounded to the nearest whole foot.

5.3 Flood Insurance Zones

Flood insurance zones and zone numbers are assigned based on the type of flood hazard and the FHF, respectively. A unique zone number is associated with each possible FHF, and varies from 1 for a FHF of 005 to a maximum of 30 for a FHF of 200 or greater.

Zone A: Special Flood Hazard Areas inundated by the 100-year flood, determined by approximate methods; no base flood elevations shown or FHF's determined.

Zones A1,A2,A3,A4, Special Flood Hazard Areas inundated by the 100-year flood; with base flood elevations shown, and zones subdivided according to FHF's.
A5,A6,A7,A8,A9,A10,
A11,A12,A13,A14,
A15, and A17:

Zone B: Areas between the Special Flood Hazard Areas and the limits of the 500-year flood; areas that are protected from the 100- or 500-year floods by dike, levee, or other water control structure; areas subject to certain types of 100-year shallow flooding where depths are less than 1.0 foot; and areas subject to 100-year flooding from sources with drainage areas less than 1 square mile. Zone B is not subdivided.

Zone C: Areas of minimal flooding; not subdivided.

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ³ ELEVATION ³ (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
West Fork of San Jacinto River							
Reach 1	210,215, 245,250, 265,270	-7.7	-2.3	+4.7	075	A15	Varies
Reach 2	170,210	-6.0	-1.7	+3.7	060	A12	Varies
Reach 3	170	-7.1	-2.3	+3.4	070	A14	Varies
Reach 4	125,165, 170	-5.7	-1.6	+3.0	055	A11	Varies
Reach 5	90,125	-7.5	-2.0	+3.7	075	A15	Varies
Woodsons Gully							
Reach 1	250	-6.8	-2.0	+4.5	070	A14	Varies
Reach 2	250	-3.0	-1.2	+2.9	030	A6	Varies
Reach 3	245,250	-1.6	-0.5	+1.2	015	A3	Varies
Reach 4	210,245	-1.2	-0.3	+1.0	010	A2	Varies

¹Flood Insurance Rate Map Panel

²Weighted Average

³Rounded to the nearest foot - see map

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

WEST FORK OF SAN JACINTO RIVER — WOODSONS GULLY

130

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION ³ (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
White Oak Creek - West							
Reach 1	210	-5.9	-1.6	+3.6	060	A12	Varies
Reach 2	210	-3.7	-1.1	+2.6	035	A7	Varies
Reach 3	210	-0.7	-0.3	+0.5	005	A1	Varies
White Oak Creek - West Tributary No. 1							
Reach 1	210	-0.7	-0.2	+0.5	005	A1	Varies

¹Flood Insurance Rate Map Panel

²Weighted Average

³Rounded to the nearest foot - see map

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

WHITE OAK CREEK - WEST — WHITE OAK CREEK - WEST TRIBUTARY NO. 1

131

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION ³ (INGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
White Oak Creek							
Reach 1	260	-2.5	-0.8	+1.3	025	A5	Varies
Reach 2	215, 220						
	255, 260	-1.6	-0.5	+1.1	015	A3	Varies
Reach 3	215	-1.2	-0.3	+1.0	010	A2	Varies
Reach 4	215	-2.2	-0.6	+0.2	020	A4	Varies
Silverdale Creek							
Reach 1	130, 170	-2.0	-0.8	+1.3	020	A4	Varies

¹Flood Insurance Rate Map Panel

²Weighted Average

³Rounded to the nearest foot - see map

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

WHITE OAK CREEK AND SILVERDALE CREEK

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Crystal Creek							
Reach 1	170,175	-6.2	-1.7	+3.7	060	A12	Varies
Reach 2	135,170, 175	-4.9	-1.4	+3.1	050	A10	Varies
Reach 3	095,130, 135	-4.2	-1.2	+2.2	040	A8	Varies
Reach 4	060,090, 095	-3.0	-0.8	+1.8	030	A6	Varies
Crystal Creek Tributary No. 1							
Reach 1	130,170	-4.8	-1.4	+3.1	050	A10	Varies
Reach 2	130	-4.3	-0.8	+1.4	045	A9	Varies
West Fork of Crystal Creek							
Reach 1	130,135, 175	-4.9	-1.3	+2.4	050	A10	Varies
Reach 2	130	-3.0	-0.9	+2.1	030	A6	Varies
Reach 3	130	-4.0	-1.2	+2.3	040	A8	Varies
Crystal Creek Tributary No. 2							
Reach 1	130,135	-1.3	-0.4	+0.9	015	A3	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

**CRYSTAL CREEK-CRYSTAL CREEK TRIBUTARY NO. 1-
WEST FORK OF CRYSTAL CREEK-CRYSTAL CREEK TRIBUTARY NO. 2**

133

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Crystal Creek Tributary No. 3							
Reach 1	135	-4.9	-1.5	+3.3	050	A10	Varies
Reach 2	135	-3.4	-0.7	+1.6	035	A7	Varies
Crystal Creek Tributary No. 4							
Reach 1	095,130	-4.3	-0.9	+1.9	045	A9	Varies
Reach 2	095,	-2.3	-0.4	+1.1	025	A5	Varies
Reach 3	095	-1.5	-0.5	+1.0	015	A3	Varies
Crystal Creek Tributary No. 5							
Reach 1	095,130	-2.9	-0.8	+1.6	030	A6	Varies
Carters Slough							
Reach 1	210	-4.7	-1.4	+3.1	045	A9	Varies
Reach 2	210	-2.9	-0.9	+1.9	030	A6	Varies
Reach 3	210	-1.2	-0.4	+0.8	010	A2	Varies
Sandy Branch							
Reach 1	170	-3.3	-0.9	+1.6	035	A7	Varies
Reach 2	170	-4.3	-1.2	+2.1	045	A9	Varies
Gleneagles Diversion Ditch							
Reach 1	170	-5.4	-1.3	+3.3	055	A11	Varies
Reach 2	170,210	-3.9	-1.0	+2.3	040	A8	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

CRYSTAL CREEK TRIBUTARY NO. 3-CRYSTAL CREEK TRIBUTARY NO. 4-
CRYSTAL CREEK TRIBUTARY NO. 5-CARTERS SLOUGH-
SANDY BRANCH-GLENEAGLES DIVERSION DITCH

134

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Little Caney Creek							
Reach 1	170	-5.3	-1.6	+3.5	055	A11	Varies
Reach 2	170	-4.4	-1.2	+2.7	045	A9	Varies
Reach 3	130,170	-3.1	-0.8	+1.6	030	A6	Varies
Reach 4	130	-1.9	-0.5	+1.2	020	A4	Varies
Stewarts Creek							
Reach 1	170	-5.7	-1.8	+3.6	055	A11	Varies
Reach 2	130,170	-4.1	-1.1	+2.4	040	A8	Varies
Reach 3	130	-2.2	-0.6	+1.3	020	A4	Varies
Reach 4	095,130	-2.9	-0.9	+2.1	030	A6	Varies
Reach 5	090,095	-4.0	-1.0	+2.2	040	A8	Varies
Reach 6	090	-2.1	-0.9	+2.0	020	A4	Varies
Reach 7	090	-4.2	-1.6	+1.9	040	A8	Varies
Stewarts Creek Tributary No. 1							
Reach 1	095	-3.3	-0.9	+1.9	035	A7	Varies
Reach 2	095	-7.3	-3.7	+3.4	075	A15	Varies
Reach 3	095	-4.4	-2.3	+3.3	045	A9	Varies
Reach 4	090,095	-2.1	-0.7	+1.6	020	A4	Varies
Grand Lake Creek							
Reach 1	165,170	-4.3	-1.3	+2.5	045	A9	Varies
Reach 2	130,170	-3.1	-0.7	+1.3	030	A6	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

**LITTLE CANEY CREEK-STEWARTS CREEK-
STEWARTS CREEK TRIBUTARY NO. 1-GRAND LAKE CREEK**

135

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ³ ELEVATION (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Alligator Creek							
Reach 1	125	-2.2	-0.7	+1.3	020	A4	Varies
Reach 2	125	-2.7	-0.8	+1.7	025	A5	Varies
Reach 3	125,130	-2.1	-0.7	+1.6	020	A4	Varies
White Oak Creek- North							
Reach 1	125	-5.7	-1.3	+2.8	055	A11	Varies
Reach 2	90,125	-3.3	-1.5	+1.8	035	A7	Varies
Egypt Creek							
Reach 1	125	-5.4	-1.4	+2.8	055	A11	Varies
Reach 2	125	-3.7	-1.0	+1.8	035	A7	Varies
Reach 3	125	-2.4	-0.6	+1.2	025	A5	Varies
Sand Branch							
Reach 1	125	-4.3	-1.2	+2.6	045	A9	Varies
Reach 2	125	-3.4	-0.7	+1.2	035	A7	Varies
Base Creek							
Reach 1	125	-4.6	-1.6	+2.2	045	A9	Varies
Reach 2	125	-2.2	-0.7	+1.3	020	A4	Varies

¹Flood Insurance Rate Map Panel

²Weighted Average

³Rounded to the nearest foot - see map

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

**ALLIGATOR CREEK - WHITE OAK CREEK NORTH - EGYPT CREEK -
SAND BRANCH - BASE CREEK**

136

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION ³ (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Bens Branch Reach 1	250,255, 270	-0.8	-0.3	+0.5	010	A2	Varies
Bens Branch Tributary No. 1							
Reach 1	255	-1.2	-0.4	+0.6	010	A2	Varies
Reach 2	255	-2.2	-0.4	+0.5	020	A4	Varies
Bens Branch Tributary No. 2							
Reach 1	255	-0.3	-0.2	+0.6	005	A1	Varies
Caney Creek							
Reach 1	220,260	-6.4	-1.9	+3.9	065	A13	Varies
Reach 2	135,220	-4.7	-1.3	+2.9	045	A9	Varies
Reach 3	100,135	-6.4	-1.9	+4.1	065	A13	Varies
Reach 4	65,95, 100,135, 175,180, 215	-4.7	-1.5	+3.5	045	A9	Varies
Reach 5	65	-3.4	-1.1	+3.0	035	A7	Varies
Reach 6	35,65	-2.1	-0.8	+2.0	020	A4	Varies

¹Flood Insurance Rate Map Panel

²Weighted Average

³Rounded to the nearest foot - see map

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

BENS BRANCH - BENS BRANCH TRIBUTARY NO. 1
BENS BRANCH TRIBUTARY NO. 2 - CANEY CREEK

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ³ ELEVATION ³ (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Caney Creek Tributary No. 1 Reach 1	220,255, 260	-4.6	-1.5	+3.0	045	A9	Varies
Reach 2	220	-2.6	-0.6	+1.3	025	A5	Varies
Dry Creek Reach 1	215,220	-3.6	-1.0	+2.7	035	A7	Varies
Reach 2	175,215	-2.1	-0.7	+1.4	020	A4	Varies
Reach 3	175	-1.3	-0.5	+11.8	015	A3	Varies

¹Flood Insurance Rate Map Panel

²Weighted Average

³Rounded to the nearest foot - see map

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

CANEY CREEK TRIBUTARY NO. 1 - DRY CREEK

138

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Spring Branch							
Reach 1	220	-7.1	-1.7	+4.0	070	A14	Varies
Reach 2	180,220	-4.0	-1.2	+3.1	040	A8	Varies
Reach 3	135,140, 180	-2.1	-0.6	+1.4	020	A4	Varies
West Fork of Spring Branch							
Reach 1	135,175 ,180	-2.3	-0.8	+1.9	025	A5	Varies
Reach 2	100,135	-1.9	-0.5	+1.3	020	A4	Varies
Reach 3	0100	-1.2	-0.4	+0.8	010	A2	Varies
McRae Creek							
Reach 1	100	-5.0	-1.8	+3.4	050	A10	Varies
Reach 2	100	-3.4	-1.1	+2.7	035	A7	Varies
Reach 3	070,100	-2.0	-0.7	+1.6	020	A4	Varies
Camp Creek							
Reach 1	095	-3.9	-1.3	+3.4	040	A8	Varies
Reach 2	065,095	-3.5	-0.9	+2.0	035	A7	Varies
Reach 3	060,065	-3.2	-1.2	+1.3	030	A6	Varies
Caney Creek Tributary No. 2							
Reach 1	070,095	-3.0	-0.9	+2.3	030	A6	Varies
Reach 2	070,	-1.4	-0.4	+1.1	015	A3	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

**SPRING BRANCH-WEST FORK OF SPRING BRANCH-MCRAE CREEK-
CAMP CREEK-CANEY CREEK TRIBUTARY NO. 2**

139

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Little Caney Creek No. 2							
Reach 1	030,035, 065	-2.8	-0.9	+2.1	030	A6	Varies
Reach 2	030,035	-1.5	-0.5	+1.3	015	A3	Varies
Caney Creek Tributary No. 3							
Reach 1	035,065	-2.3	-1.2	+1.3	025	A5	Varies
Reach 2	035	-1.3	-0.5	+1.0	015	A3	Varies
Reach 3	035	-2.4	-0.7	+1.0	025	A5	Varies
Peach Creek							
Reach 1	260	-6.5	-2.0	+3.6	065	A13	Varies
Reach 2	180,220, 260	-8.5	-2.4	+3.0	085	A17	Varies
Reach 3	105,140, 145,180, 185	-7.1	-2.4	+3.0	070	A14	Varies
Reach 4	040,070, 100,105	-6.0	-2.0	+2.4	060	A12	Varies
Reach 5	040	-3.9	-1.2	+1.2	040	A8	Varies
Peach Creek Tributary No. 1							
Reach 1	220	-7.6	-2.3	+3.2	075	A15	Varies
Reach 2	220,225	-3.2	-1.4	+2.2	030	A6	Varies
Reach 3	185,225	-1.7	-0.3	+0.7	015	A3	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

**LITTLE CANEY CREEK NO. 2-CANEY CREEK TRIBUTARY NO. 3-
PEACH CREEK-PEACH CREEK TRIBUTARY NO. 1**

140

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Waterhole Branch Reach 1	180	-5.5	-2.0	+2.8	055	A11	Varies
Gully Branch Reach 1	180	-6.5	-2.1	+2.8	065	A13	Varies
Reach 2	180	-4.4	-1.5	+2.1	045	A9	Varies
Reach 3	180	-3.3	-1.1	+1.3	035	A7	Varies
Peach Creek Tributary No. 2 Reach 1	180	-2.6	-1.0	+1.4	025	A5	Varies
Hightower Branch Reach 1	145	-5.5	-2.0	+2.8	055	A11	Varies
Reach 2	145	-4.2	-1.2	+1.8	040	A8	Varies
Reach 3	145	-2.7	-0.7	+1.0	025	A5	Varies
Jayhawker Creek Reach 1	145	-6.8	-2.3	+2.8	070	A14	Varies
Reach 2	145	-4.9	-1.8	+2.5	050	A10	Varies
Reach 3	145	-3.2	-1.2	+1.4	030	A6	Varies
Bee Branch Reach 1	145	-4.4	-1.4	+2.0	045	A9	Varies
Reach 2	145	-3.0	-0.8	+1.2	030	A6	Varies
Reach 3	145	-2.5	-0.7	+9.7	025	A5	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

**WATERHOLE BRANCH-GULLY BRANCH-PEACH CREEK TRIBUTARY NO. 2-
HIGHTOWER BRANCH-JAYHAWKER CREEK-BEE BRANCH**

141

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Lawrence Creek							
Reach 1	140	-5.7	-1.9	+2.3	055	A11	Varies
Reach 2	140	-4.2	-1.2	+1.4	040	A8	Varies
Reach 3	100,135, 140	-3.0	-1.0	+1.2	030	A6	Varies
Duck Creek							
Reach 1	140	-6.1	-1.9	+3.0	060	A12	Varies
Reach 2	105,140	-4.2	-1.3	+1.9	040	A8	Varies
Reach 3	100,105	-3.0	-0.9	+1.0	030	A6	Varies
Peach Creek Tributary No. 3							
Reach 1	040,070	-4.1	-1.2	+1.6	040	A8	Varies
Reach 2	040	-4.7	-1.0	+1.0	045	A9	Varies
Reach 3	040	-2.3	-0.5	+0.6	025	A5	Varies
Spring Creek							
Reach 1	200,205 235,240 245,250, 265	-7.5	-2.3	+5.1	075	A15	Varies
Sam Bell Gully Diversion Channel							
Reach 1	210,245	-1.82	*	+1.11	020	A4	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

*Not computed

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

**LAWRENCE CREEK-DUCK CREEK-PEACH CREEK TRIBUTARY NO. 3-
SPRING CREEK-SAM BELL GULLY DIVERSION CHANNEL**

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Tributary to Sam Bell Gully Diversion Channel							
Reach 1	210	-1.01	*	+0.68	010	A2	Varies
Reach 2	210	-0.56	*	+0.34	005	A1	Varies
Sam Bell Gully Reach 1	210	-1.9	-0.7	+0.9	020	A4	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

*Not computed

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

TRIBUTARY TO SAM BELL GULLY DIVERSION CHANNEL-SAM BELL GULLY

143

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD, ELEVATION ³ (INGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Panther Branch							
Reach 1	205, 240, 245	-5.7	-1.7	+2.9	055	A11	Varies
Reach 2A	205, 210	-4.2	-1.4	+2.7	040	A8	Varies
Reach 2B	205, 210	-1.7	-0.5	+1.6	015	A3	Varies
Reach 2C	205, 210	-3.2	-1.6	+2.2	030	A6	Varies
Reach 2D	205, 210	-3.8	-1.4	+2.7	040	A8	Varies
Reach 3	165, 205	-2.1	-0.6	+1.3	020	A4	Varies
Panther Branch Tributary No. 1							
Reach 1	245	-7.3	-2.5	+4.4	075	A15	Varies
Reach 2	245	-5.6	-5.6	+4.0	055	A11	Varies
Bear Branch							
Reach 1	160, 200, 205	-2.5	-0.8	+1.5	025	A5	Varies
Reach 2	160	-0.9	-0.3	+0.4	010	A2	Varies

¹Flood Insurance Rate Map Panel

²Weighted Average

³Rounded to the nearest foot - see map

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

**PANTHER BRANCH - PANTHER BRANCH TRIBUTARY NO. 1
- BEAR BRANCH**

144

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION ³ (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Panther Branch Tributary No. 2							
Reach 1	165,205	-1.8	-0.5	+0.9	020	A4	Varies
Reach 2	165	-0.6	-0.2	+0.3	005	A1	Varies
Dry Creek No. 2							
Reach 1	200,205	-5.6	-2.5	+4.7	055	A11	Varies
Reach 2	200	-3.3	-1.0	+2.3	035	A7	Varies
Reach 3	200	-1.2	-0.4	+1.0	010	A2	Varies

¹Flood Insurance Rate Map Panel

²Weighted Average

³Rounded to the nearest foot - see map

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

PANTHER BRANCH TRIBUTARY NO. 2 - DRY CREEK NO. 2

145

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Dry Creek No. 2 Tri- butary No. 1							
Reach 1	200	-2.1	-0.6	+1.1	020	A4	Varies
Reach 2	160,200	-1.3	-0.4	+0.9	015	A3	Varies
Reach 3	160	-0.3	-0.1	+0.2	005	A1	Varies
Mill Creek							
Reach 1	195,200, 240	-5.5	-1.7	+3.8	055	A11	Varies
Reach 2	150,155, 195	-4.6	-1.5	+3.0	045	A9	Varies
Decker Branch							
Reach 1	200,240	-7.0	-2.1	+4.5	070	A14	Varies
Reach 2	200,240	-4.5	-1.4	+2.2	045	A9	Varies
Reach 3	200,240	-3.0	-0.9	+2.0	030	A6	Varies
Reach 4	195,200	-1.6	-0.4	+1.0	015	A3	Varies
Goodson Branch							
Reach 1	200	-4.0	-0.9	+1.5	040	A8	Varies
Reach 2	195,200	-1.4	-0.4	+0.6	015	A3	Varies
Reach 3	195	-2.0	-0.6	+0.8	020	A4	Varies
Decker Branch Tributary No. 1							
Reach 1	195,200, 240	-4.1	-0.8	+0.9	040	A8	Varies
Reach 2	195	-1.9	-0.6	+0.8	020	A4	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

**DRY CREEK NO. 2 TRIBUTARY NO. 1-MILL CREEK-DECKER BRANCH-
GOODSON BRANCH-DECKER BRANCH TRIBUTARY NO. 1**

146

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Mill Creek Tributary No. 1							
Reach 1	195	-2.3	-1.4	+0.6	025	A5	Varies
Reach 2	195	-1.4	-0.4	+1.0	015	A3	Varies
Reach 3	195	-0.9	-0.3	+0.8	010	A2	Varies
Mill Creek Tributary No. 2							
Reach 1	195	-1.0	-0.3	+0.9	010	A2	Varies
Mill Creek Tributary No. 3							
Reach 1	195	-0.8	-0.2	+0.5	010	A2	Varies
Mill Creek Tributary No. 4							
Reach 1	155	-5.9	-1.8	+4.3	060	A12	Varies
Reach 2	155, 195	-3.0	-0.9	+2.2	030	A6	Varies
Reach 3	155	-1.5	-0.4	+0.9	015	A3	Varies
Mill Creek Tributary No. 5							
Reach 1	150, 155	-3.3	-0.9	+1.9	035	A7	Varies
Walnut Creek Reach 1	190, 195, 230, 235	-6.0	-1.7	+3.9	060	A12	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

MILL CREEK TRIBUTARY NO. 1-MILL CREEK TRIBUTARY NO. 2-MILL CREEK TRIBUTARY NO. 3-
MILL CREEK TRIBUTARY NO. 4-MILL CREEK TRIBUTARY NO. 5-WALNUT CREEK

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Sulphur Branch							
Reach 1	235	-6.1	-1.9	+4.4	060	A12	Varies
Reach 2	195	-5.1	-1.3	+2.8	050	A10	Varies
Reach 3	195	-6.2	-1.6	+2.7	060	A12	Varies
Reach 4	195	-4.7	-1.0	+1.9	045	A7	Varies
Reach 5	195	-3.1	-0.7	+1.1	030	A6	Varies
Reach 6	195	-0.9	-0.3	+0.5	010	A2	Varies
Walnut Creek Tributary No. 1							
Reach 1	235	-6.4	-1.4	+2.8	065	A13	Varies
Reach 2	235	-3.6	-0.6	+1.5	035	A7	Varies
Reach 3	235	-1.1	-0.4	+1.0	010	A2	Varies
Reach 4	235	-3.0	-0.9	+1.6	030	A6	Varies

¹Flood Insurance Rate Map Panel

²Weighted Average

³Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

SULPHUR BRANCH-WALNUT CREEK TRIBUTARY NO. 1

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Mink Branch							
Reach 1	190,195	-5.0	-1.3	+2.5	050	A10	Varies
Reach 2	150,190	-3.4	-0.8	+1.4	035	A7	Varies
Arnold Branch							
Reach 1	190,195	-2.7	-0.7	+1.7	025	A5	Varies
Log Gully							
Reach 1	190	-5.5	-1.4	+2.7	055	A11	Varies
Reach 2	190	-4.2	-1.2	+2.2	040	A8	Varies
Reach 3	190	-3.0	-0.9	+1.5	030	A6	Varies
Brushy Creek							
Reach 1	230	-4.9	-1.9	+3.2	050	A10	Varies
Threemile Creek							
Reach 1	230	-4.7	-1.9	+3.0	045	A9	Varies
Mills Branch							
Reach 1	260	-2.0	-0.5	+0.7	020	A4	Varies
Reach 2	260	-0.7	-0.2	+0.4	005	A1	Varies
East Fork of San Jacinto River							
Reach 1	225,260	-7.2	-2.1	+4.7	070	A14	Varies
Reach 2	225,	-6.2	-1.9	+3.9	060	A12	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

**MINK BRANCH-ARNOLD BRANCH-LOG GULLY-BRUSHY CREEK-THREEMILE CREEK-
MILLS BRANCH- EAST FORK OF SAN JACINTO RIVER**

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Church House Gully							
Reach 1	225,260	-3.3	-0.8	+2.0	035	A7	Varies
Reach 2	225	-2.3	-0.6	+1.2	025	A5	Varies
Orton Gully							
Reach 1	225	-4.8	-1.5	+3.6	050	A10	Varies
Reach 2	225	-2.0	-0.7	+1.4	020	A4	Varies
Live Branch							
Reach 1	090	-0.7	-0.3	+0.3	005	A1	Varies
Reach 2	090	-1.8	-0.5	+0.4	020	A4	Varies
Reach 3	090	-2.3	-0.4	+0.7	025	A5	Varies
Reach 4	090	-1.6	-0.5	+0.9	015	A3	Varies
Reach 5	060,090	-2.2	-0.6	+1.3	020	A4	Varies
Bell Creek							
Reach 1	090	-2.0	-0.4	+0.6	020	A4	Varies
Reach 2	060,090	-0.9	-0.3	+0.6	010	A2	Varies
Reach 3	060	-2.0	-0.5	+1.5	020	A4	Varies
Lewis Creek							
Reach 1	060	-0.6	-0.2	+0.6	005	A1	Varies
Reach 2	060	-1.9	-0.4	+1.5	020	A4	Varies
Reach 3	060	-3.5	-0.8	+2.4	035	A7	Varies
Reach 4	060	-0.7	-0.1	+0.4	005	A1	267.74
Reach 5	060	-1.5	-0.4	+0.8	015	A3	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

CHURCH HOUSE GULLY-ORTON GULLY-LIVE BRANCH-BELL CREEK-LEWIS CREEK

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Weirs Creek							
Reach 1	060	-1.5	-0.4	+1.2	015	A3	Varies
Reach 2	060	-1.1	-0.3	+0.7	010	A2	Varies
Reach 3	060	-2.3	-0.6	+1.0	025	A5	Varies
Reach 4	060	-7.7	-2.2	+1.0	075	A15	Varies
Chambers Creek							
Reach 1	060	-1.4	-3.1	+0.6	015	A3	Varies
Shepard Branch							
Reach 1	060	-0.8	-0.3	+0.3	010	A2	Varies
Reach 2	060	-2.3	-0.7	+1.2	025	A5	Varies
Reach 3	060	-3.7	-1.1	2.2	035	A7	Varies
Reach 4	030,060	-1.6	-0.5	+1.1	015	A3	Varies
Weirs Creek Tributary No. 1							
Reach 1	060	-1.1	-0.4	+0.5	010	A2	Varies
Reach 2	060	-2.1	-0.3	+0.4	020	A4	Varies
Reach 3	060	-2.4	-0.7	+1.3	025	A5	Varies
Hosstetter Creek							
Reach 1	030,060	-2.0	-0.6	+1.5	020	A4	Varies
Gum Branch							
Reach 1	030	-1.3	-0.4	+0.9	015	A3	Varies
Reach 2	030	-2.0	-0.7	+1.4	020	A4	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

**WEIRS CREEK-CHAMBERS CREEK-SHEPARD BRANCH-
WEIRS CREEK TRIBUTARY NO. 1-HOSSTETTER CREEK-GUM BRANCH**

151

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Rush Creek							
Reach 1	085	-1.7	-0.7	+0.9	015	A3	Varies
Reach 2	085	-0.9	-0.3	+0.5	010	A2	Varies
Reach 3	085	-2.1	-0.7	+1.4	020	A4	Varies
Rush Creek Tributary No. 1							
Reach 1	085	-2.0	-0.4	+1.3	020	A4	Varies
Rush Creek Tributary No. 2							
Reach 1	085	-2.5	-0.5	+0.7	025	A5	Varies
Reach 2	085,120	-0.9	-0.3	+0.2	010	A2	Varies
Martin Creek							
Reach 1	085	-1.1	-0.4	+1.0	010	A2	Varies
Reach 2	085	-2.8	-1.0	+1.4	030	A6	Varies
Reach 3	085	-1.9	-0.6	+1.1	020	A4	Varies
Reach 4	085	-1.5	-0.4	+0.8	015	A3	Varies
Reach 5	085	-2.3	-0.6	+1.3	025	A5	Varies
Stewart Creek North							
Reach 1	085	-1.9	-0.5	+1.3	020	A4	Varies
Reach 2	080,085	-3.3	-0.7	+1.6	035	A7	Varies
Reach 3	080	-2.1	-0.4	+1.2	020	A4	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

**RUSH CREEK-RUSH CREEK TRIBUTARY NO. 1-
RUSH CREEK TRIBUTARY NO. 2-MARTIN CREEK-STEWART CREEK NORTH**

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Atkins Creek							
Reach 1	080,085	-1.1	-0.4	+0.7	010	A2	Varies
Reach 2	080	-1.7	-0.2	+0.5	015	A3	Varies
Reach 3	080	-1.2	-0.3	+0.5	010	A2	Varies
Town Creek							
Reach 1	0080,0085	-1.5	-0.4	+1.1	015	A3	Varies
Reach 2	0080	-2.0	-0.7	+1.1	020	A4	Varies
Reach 3	0080	-1.3	-0.4	+0.8	015	A3	Varies
Town Creek Tributary No. 1							
Reach 1	0080	-0.9	-0.3	+0.6	010	A2	Varies
Reach 2	0080	-1.4	-0.4	+0.8	015	A3	Varies
Reach 3	0080	-3.5	-0.4	+0.5	035	A7	Varies
Reach 4	0080	-2.1	-0.2	+0.5	020	A4	Varies
Reach 5	0050,0080	-1.3	-0.1	+0.5	015	A3	Varies
Town Creek Tributary No. 2							
Reach 1	0080	-1.4	-0.3	+1.0	015	A3	Varies
Carwile Creek							
Reach 1	0080	-1.4	-0.4	+0.7	015	A3	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

**ATKINS CREEK-TOWN CREEK-TOWN CREEK TRIBUTARY NO. 1-
TOWN CREEK TRIBUTARY NO. 2-CARWILE CREEK**

183

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Lake Creek							
Reach 1	D160,0165	-5.0	-1.5	+3.4	050	A10	Varies
Reach 2	D110,0115, D155,0160	-3.1	-1.0	+2.5	030	A6	Varies
Reach 3	D075,0110	-4.5	-1.5	+3.7	045	A9	Varies
Reach 4	D015,0045, D075	-2.8	-0.9	+2.1	030	A6	Varies
Fish Creek							
Reach 1	D165	-4.5	-1.4	+3.1	045	A9	Varies
Reach 2	D120,0125, D165	-2.5	-0.8	+1.5	025	A5	Varies
Mound Creek							
Reach 1	D160,0165	-3.8	-1.3	+2.8	040	A8	Varies
Reach 2	D120,0160	-2.6	-0.8	+1.7	025	A5	Varies
Reach 3	D080,0085, D120	-2.0	-0.5	+1.0	020	A4	Varies
Deer Lake Branch							
Reach 1	D120	-2.0	-0.5	+1.3	020	A4	Varies
Mound Creek Tributary No. 1							
Reach 1	D120	-2.4	-0.7	+1.7	025	A5	Varies
Lake Creek Tributary No. 1							
Reach 1	D160	-1.5	-0.5	+1.3	015	A3	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

LAKE CREEK-FISH CREEK-MOUND CREEK-DEER LAKE BRANCH-
MOUND CREEK TRIBUTARY NO. 1-LAKE CREEK TRIBUTARY NO. 1

154

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Lake Creek Tributary No. 2 Reach 1	0160	-2.0	-0.6	+1.0	020	A4	Varies
Lake Creek Tributary No. 3 Reach 1	0120,0160	-2.4	-0.8	+1.5	025	A5	Varies
Landrum Creek Reach 1	080,115	-2.0	-0.6	+1.2	020	A4	Varies
Spring Branch No. 2 Reach 1	0115	-1.5	-0.4	+1.0	015	A3	Varies
Reach 2	0115	-2.6	-0.6	+0.9	025	A5	Varies
Reach 3	0115	-1.6	-0.2	+0.6	015	A3	Varies
Lake Creek Tributary No. 4 Reach 1	0110,0115	-3.08	-0.9	+1.6	030	A6	Varies
Reach 2	0110	-4.80	-1.6	+3.1	050	A10	Varies
Lake Creek Tributary No. 5 Reach 1	0080,0115	-2.7	-0.8	+2.0	025	A5	Varies
Reach 2	0080	-3.4	-0.9	+1.7	035	A7	Varies
Reach 3	0080	-4.7	-0.8	+1.1	045	A9	Varies
Caney Creek No. 2 Reach 1	0075,0110	-4.7	-1.5	+3.1	045	A9	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

BEST COPY AVAILABLE
TABLE 4
FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
 (UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

 LAKE CREEK TRIBUTARY NO. 2-LAKE CREEK TRIBUTARY NO. 3-
 LANDRUM CREEK-SPRING BRANCH NO. 2-LAKE CREEK TRIBUTARY NO. 4-
 LAKE CREEK TRIBUTARY NO. 5- CANEY CREEK NO. 2

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Lake Creek Tributary No. 6							
Reach 1	0075	-2.1	-0.4	+0.7	020	A4	Varies
Reach 2	0075	-1.3	-0.4	+0.7	015	A3	Varies
Reach 3	0075	-2.7	-0.5	+0.7	025	A5	Varies
Lake Creek Tributary No. 7							
Reach 1	0075	-2.5	-0.6	+1.5	025	A5	Varies
Reach 2	0075	-4.4	-0.8	+1.0	045	A9	Varies
Little Caney Creek No. 3							
Reach 1	0045,0075	-2.9	-0.9	+2.17	030	A6	Varies
Kidhaw Branch							
Reach 1	0015	-1.6	-0.3	+0.8	015	A3	Varies
Little Lake Creek							
Reach 1	0020,0050, 0055	-2.7	-0.9	+1.8	025	A5	Varies
Little Lake Creek Tri- butary No. 1							
Reach 1	0055	-0.9	-0.2	+0.5	010	A2	Varies
Reach 2	0055	-1.3	-0.4	+0.7	015	A3	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

BEST COPY AVAILABLE

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

LAKE CREEK TRIBUTARY NO. 6-LAKE CREEK TRIBUTARY NO. 7- LITTLE CANEY CREEK NO. 3-
KIDHAW BRANCH-LITTLE LAKE CREEK-LITTLE LAKE CREEK TRIBUTARY NO. 1

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Little Lake Creek Tri- butary No. 2 Reach 1	0055	-1.3	-0.4	+0.7	015	A3	Varies
Little Lake Creek Tri- butary No. 3 Reach 1	0050,0055	-2.2	-0.6	+1.0	020	A4	Varies
Little Lake Creek Tri- butary No. 4 Reach 1	0050	-1.3	-0.4	+0.9	015	A3	Varies
Reach 2	0050	-2.0	-0.5	+0.9	020	A4	Varies
Little Lake Creek Tri- butary No. 5 Reach 1	0050	-2.0	-0.7	+1.5	020	A4	Varies
Reach 2	0050	-1.4	-0.5	+0.8	015	A3	Varies
Pole Creek Reach 1	0020,0050	-3.0	-0.8	+1.4	030	A6	Varies
Sand Branch No. 2 Reach 1	0050	-1.5	-0.6	+1.0	015	A3	Varies
Reach 2	0050	-2.8	-0.8	+0.9	030	A6	Varie
Reach 3	0020,0050	-1.8	-0.5	+1.0	020	A4	Varies
Reach 4	0020	-1.0	-0.3	+0.7	010	A2	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

LITTLE LAKE CREEK TRIBUTARY NO. 2-LITTLE LAKE CREEK TRIBUTARY NO. 3-LITTLE LAKE CREEK TRIBUTARY NO. 4-LITTLE LAKE CREEK TRIBUTARY NO. 5-POLE CREEK-SAND BRANCH NO. 2

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Caney Creek North							
Reach 1	0025,0055	-1.4	-0.4	+1.0	015	A3	Varies
Reach 2	0025	-2.4	-0.8	+1.7	025	A5	Varies
Reach 3	0020,0025	-3.4	-0.9	+1.6	035	A7	Varies
Reach 4	0020,0025	-2.3	-0.7	+1.9	025	A5	Varies
Reach 5	0020,0025	-4.2	-1.4	+1.3	040	A8	Varies
Reach 6	0005,0010, 0020	-2.6	-0.8	+1.6	025	A5	Varies
Kelly Branch							
Reach 1	0025	-2.5	-0.7	+1.9	025	A5	Varies
Reach 2	0020,0025	-1.7	-0.5	+1.2	015	A3	Varies
Green Branch							
Reach 1	0025	-1.2	-0.4	+1.3	010	A2	Varies
Reach 2	0025	-2.7	-0.5	+1.3	025	A5	Varies
Caney Creek North Tri- butary No. 1							
Reach 1	0020,0025	-2.5	-0.6	+1.1	025	A5	Varies
Anthony Branch							
Reach 1	0020	-2.0	-0.5	+1.2	020	A4	Varies
Caney Creek North Tri- butary No. 2							
Reach 1	0020	-1.4	-0.4	+1.1	015	A3	Varies
Reach 2	0020	-2.6	-0.8	+1.4	025	A5	Varies

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

**CANEY CREEK NORTH-KELLY BRANCH-GREEN BRANCH-CANEY CREEK NORTH
TRIBUTARY NO. 1-ANTHONY BRANCH-CANEY CREEK NORTH TRIBUTARY NO. 2**

158

FLOODING SOURCE	PANEL ¹	ELEVATION DIFFERENCE ² BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION ³ (FEET /NGVD)
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Caney Creek North Tri- butary No.3							
Reach 1	0010,0020	-2.7	-0.6	+1.2	025	A5	Varies
Reach 2	0010	-3.7	-1.1	+2.1	035	A7	Varies
Reach 3	0010	-1.7	-0.4	+1.2	015	A3	Varies
Bay Branch							
Reach 1	0010,0015, 0020	-2.1	-0.7	+1.2	020	A4	Varies
Lake Conroe							
Reach 1	0025,0030, 0055,0060, 0085,0090	-0.2	-0.1	+0.4	005	A1	203
Lewis Creek Reservior							
Reach 1	0060	-0.7	-0.1	+0.4	005	A1	268

¹ Flood Insurance Rate Map Panel

² Weighted Average

³ Rounded to Nearest Foot

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

**CANEY CREEK NORTH TRIBUTARY NO. 3-BAY BRANCH-
LAKE CONROE-LEWIS CREEK RESERVOIR**

Flood elevation differences, FHF's, flood insurance zones, and base flood elevations for the flooding sources studied in detail in the county are shown in Table 4.

5.4 Flood Insurance Rate Map Description

The Flood Insurance Rate Map for the unincorporated areas of Montgomery County is, for insurance purposes, the principal result of the Flood Insurance Study. This map contains the official delineation of flood insurance zones and base flood elevations. Base flood elevation lines show the locations of the expected whole-foot water-surface elevation of the base (100-year) flood. The base flood elevations and zone numbers are used by insurance agents, in conjunction with structure elevations and characteristics, to assign actuarial insurance rates to structures and contents insured under the National Flood Insurance Program.

6.0 OTHER STUDIES

Several Flood Plain Information reports were checked for agreement with data in this report. Four COE Flood Plain Information Reports for Caney Creek, the West Fork of San Jacinto River, Sam Bell Gully, and Panther and Bear Branches showed differences in elevations and discharges (References 20, 21, 22, and 23). After coordination with the COE, it was decided that the differences in elevations were caused by changes that had occurred along the streams and differences in hydrologic methodology. Besides the basic philosophical differences in hydrologic methodology, the COE report used a 24-hour storm distribution. A COE Flood Plain Information Report for Bens Branch was used (Reference 24). This stream was studied further up the watershed using starting data derived from the COE report. Bens Branch has been revised and does not match Harris County, Texas. A future revision will be processed for Harris County to match. One other COE Flood Plain Information Report on Spring and Willow Creeks exists for this area (Reference 25). No comparison was made with this report as all data on Spring Creek presented in this Flood Insurance Study was compiled by the COE.

Another report, 100-Year Flood Plain Analysis of Panther Branch prepared by Farner and Winslow, Inc., was checked for agreement (Reference 26). That report is concerned with the 100-year storm discharge at two locations on Panther Branch. The two locations in the watershed are just upstream of Sawdust Road and just downstream of the confluence of Bear Branch. At both locations the 100-year discharges adopted by Farner and Winslow, Inc., are larger than discharges adopted by the SCS. There are several reasons for these discrepancies. The first is the difference in methodology. Farner and Winslow, Inc., used modeling techniques similar to the COE. Second, the Farner and Winslow, Inc., discharges are based on a 24-hour or less storm distribution; whereas, the SCS has adopted the 48-hour distribution for this study. The third reason was that the

Farner and Winslow, Inc., report showed that after any adjustment to watershed parameters the most conservative value was used. The above three reasons all combine to give larger discharges than computed by the SCS.

A study entitled Preliminary Engineering Report for Montgomery County Drainage District No. 6, proposed drainage improvements in the Sam Bell Gully Watershed and two minor tributaries of Panther Branch and Spring Creek (Reference 27). This information has been incorporated in this study since the improvements have been made.

A Flood Insurance Study for the City of Conroe has been prepared (Reference 16). There are differences in discharge values for Stewarts Creek, Alligator Creek, and Grand Lake Creek between that study and this study for the unincorporated areas of Montgomery County. These discrepancies resulted from the differences in the computation of land use in the runoff curve numbers and the peak rate equations. The SCS adopted both the discharges and elevations of the Conroe study.

A Flood Insurance Study for the City of Chateau Woods is currently being prepared (Reference 28). The results of that study will be in complete agreement with the results of this study.

7.0 LOCATION OF DATA

Information concerning the pertinent data used in preparation of this study can be obtained by contacting FEMA, the Natural and Technological Hazards Division, Federal Regional Center, 800 North Loop 288, Denton, Texas 76201-3698.

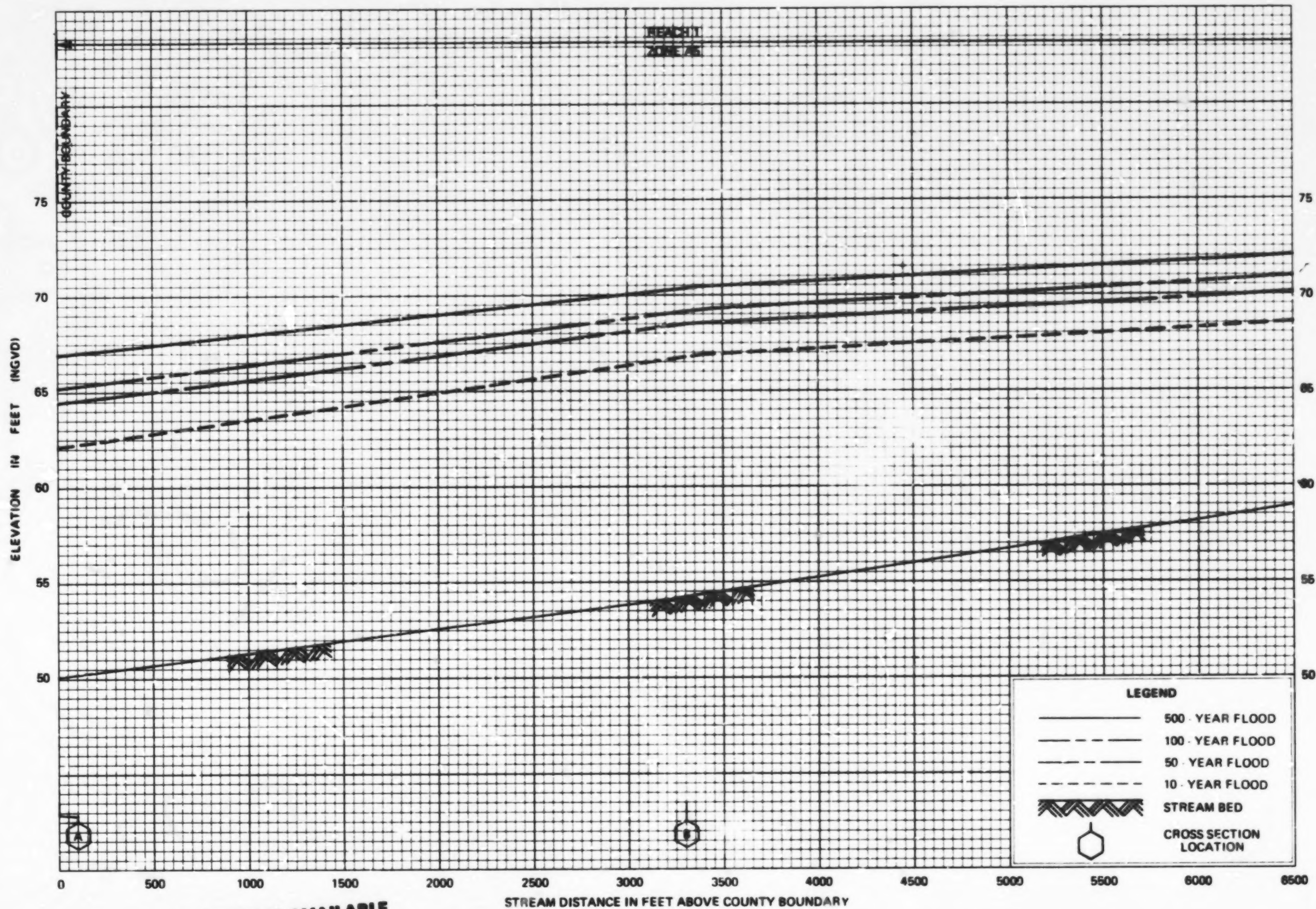
8.0 BIBLIOGRAPHY AND REFERENCES

1. State of Texas, Department of Highways and Public Transportation, Official Highway Travel Map, State of Texas, Texas, 1980.
2. A. H. Belo Corporation, Texas Almanac and State Industrial Guide, 1982-1983, Texas, 1981.
3. F. W. Gould, Texas Plants - A Checklist and Ecological Summary, Texas, 1962.
4. U. S. Department of Agriculture, Soil Conservation Service, Soil Survey of Montgomery County, Texas, Washington, D. C., 1972.
5. U. S. Department of the Interior, Geological Survey, 7.5-Minute Series Topographic Maps, Scale 1:24,000, Contour Interval 5 and 10 Feet: Richards, Texas, 1962; San Jacinto, Texas, 1959; Moore Grove, Texas, 1959; New Waverly, Texas, Photorevised 1976; Maynard, Texas,

Photorevised 1976; Dacus, Texas, 1962; Montgomery, Texas, Photorevised 1976; Shepard Hill, Texas, Photorevised 1976; Willis, Texas, Photorevised 1976; Conroe Northeast, Texas, 1973, Photorevised 1976; Bear Creek, Texas, Photorevised 1976; Plantersville, Texas, 1962; Keenan, Texas, Photorevised 1976; Cowl Spur, Texas, Photorevised 1976; Conroe, Texas, Photorevised 1976; Cut and Shoot, Texas, Photorevised 1976; Fostoria, Texas, Photorevised 1976; Magnolia West, Texas, 1962; Magnolia East, Texas, 1962; Oklahoma, Texas, Photorevised 1979; Tamina, Texas, Photorevised 1979; Outlaw Pond, Texas, Photorevised 1979; Splendora, Texas, Photorevised 1979; Plum Grove, Texas, Photorevised 1979; Hockley, Texas, 1962; Rose Hill, Texas, 1962; Spring, Texas, 1960; Maedan, Texas, 1961; Moonshine Hill, Texas, 1961.

6. State of Texas, Texas Water Development Board, Map of Normal Annual Precipitation, Texas, July 1974.
7. U. S. Department of Commerce, National Oceanic and Atmospheric Administration, Climatological Data Annual Summary, Texas, Volume 85, Number 13, Asheville, North Carolina, National Climatic Center, 1981.
8. Texas Water Development Board, Map of Mean Annual Temperature, Texas, July 1974.
9. U. S. Department of Commerce, Weather Bureau, Technical Paper No. 49, Rainfall Frequency Atlas of the United States, Washington, D. C., 1964.
10. U. S. Department of Commerce, National Oceanic and Atmospheric Administration, Climatological Data, Texas, Volume 84, Number 4, Asheville, North Carolina, National Climatic Center, 1979.
11. U. S. Department of Commerce, National Oceanic and Atmospheric Administration, Climatological Data, Texas, Volume 84, Number 9, Asheville, North Carolina, National Climatic Center, 1979.
12. U. S. Department of Agriculture, Soil Conservation Service, Technical Release No. 20, Computer Program, Project Formulation, Hydrology, Washington, D. C., 1965.
13. U. S. Army Corps of Engineers, Hydrologic Engineering Center, HEC-1 Flood Hydrograph Package, Davis, California, October 1970.
14. U. S. Army Corps of Engineers, Hydrologic Engineering Center, HEC-2 Water Surface Profiles, Generalized Computer Program, Davis, California, April 1984.
15. U. S. Department of Agriculture, Soil Conservation Service, Technical Release No. 61, WSP-2 Computer Program, Washington, D. C., May 1976.

16. U. S. Department of Housing and Urban Development, Federal Insurance Administration, Flood Insurance Study, City of Conroe, Montgomery County, Texas, Washington, D. C., November 16, 1976.
17. U. S. Department of Agriculture, Soil Conservation Service, Topographic Maps, Scale 1:12,000, Contour Interval 2 Feet: Montgomery County, Texas, 1986.
18. Cadastral Surveying and Mapping Corp., Topographic Maps, Scale 1:1,200, Contour Interval 1 Foot: Montgomery County, Texas, 1986.
19. Federal Emergency Management Agency, Flood Insurance Study, Unincorporated Areas of Montgomery County, Texas, Washington, D. C., June 17, 1987.
20. U. S. Army Corps of Engineers, Galveston District, Flood Plain Information, Caney Creek, Montgomery County, Texas, Galveston, Texas, August 1974.
21. U. S. Army Corps of Engineers, Galveston District, Flood Plain Information, West Fork of San Jacinto River, Montgomery County, Texas, Galveston, Texas, October 1975.
22. U. S. Army Corps of Engineers, Galveston District, Flood Plain Information, Sam Bell Gully, Montgomery County, Texas, Galveston, Texas, November 1975.
23. U. S. Army Corps of Engineers, Galveston District, Flood Plain Information, Panther and Bear Branches, Montgomery County, Texas, Galveston, Texas, March 1974.
24. U. S. Army Corps of Engineers, Galveston District, Flood Plain Information, Bens Branch, Montgomery County, Texas, Galveston, Texas, November 1975.
25. U. S. Army Corps of Engineers, Galveston District, Flood Plain Information, Spring and Willow Creeks, Montgomery County, Texas, Galveston, Texas, June 1972.
26. Farner and Winslow, Inc., 100-Year Flood Plain Analysis of Panther Branch, July 1977.
27. Bernard Johnson, Inc., of Houston, Texas, Preliminary Engineering Report for Montgomery County Drainage District No. 6, October 1977.
28. Federal Emergency Management Agency, Flood Insurance Study, City of Chateau Woods, Montgomery County, Texas (Unpublished).

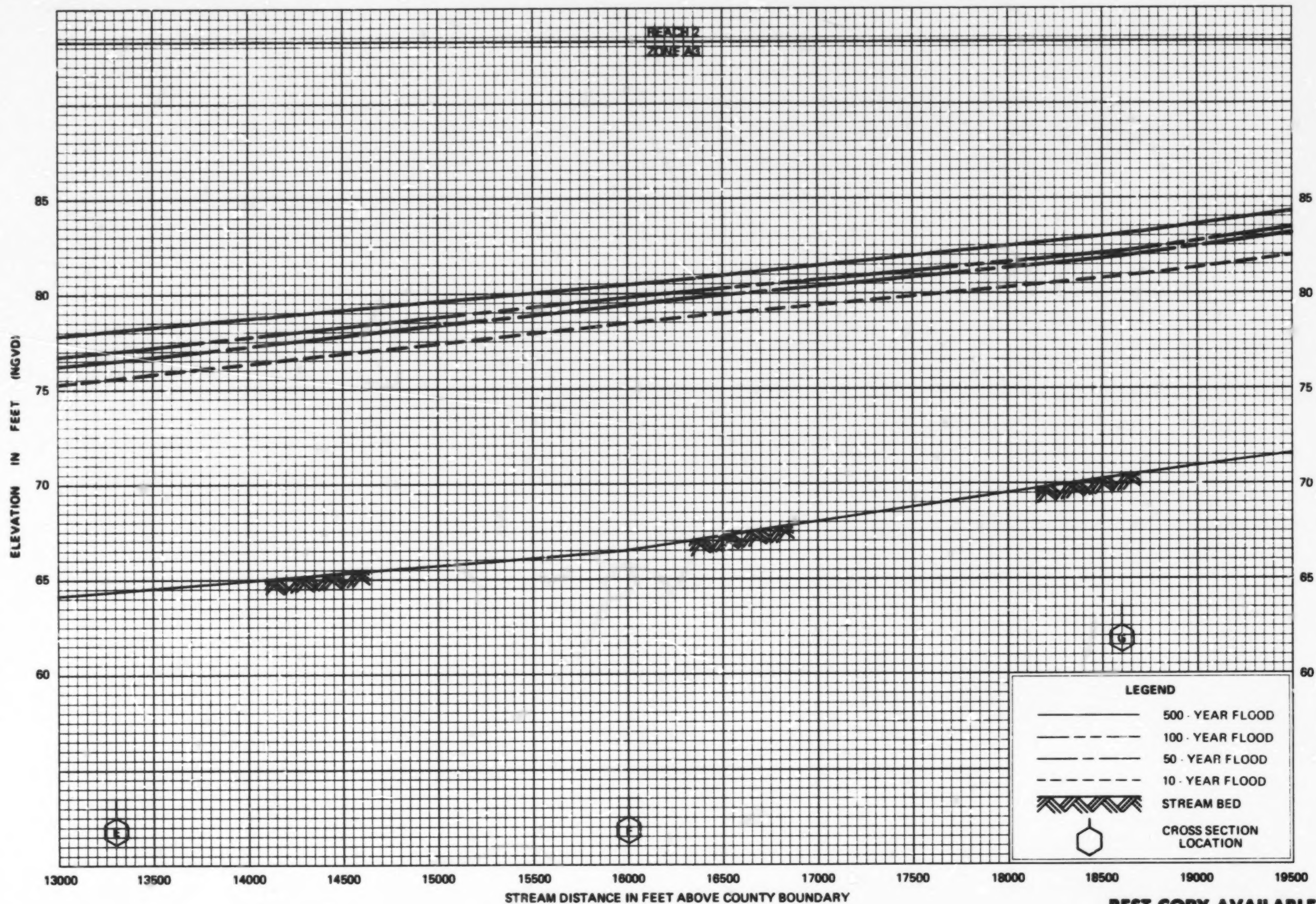


BEST COPY AVAILABLE

FLOOD PROFILES
WHITE OAK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

481P

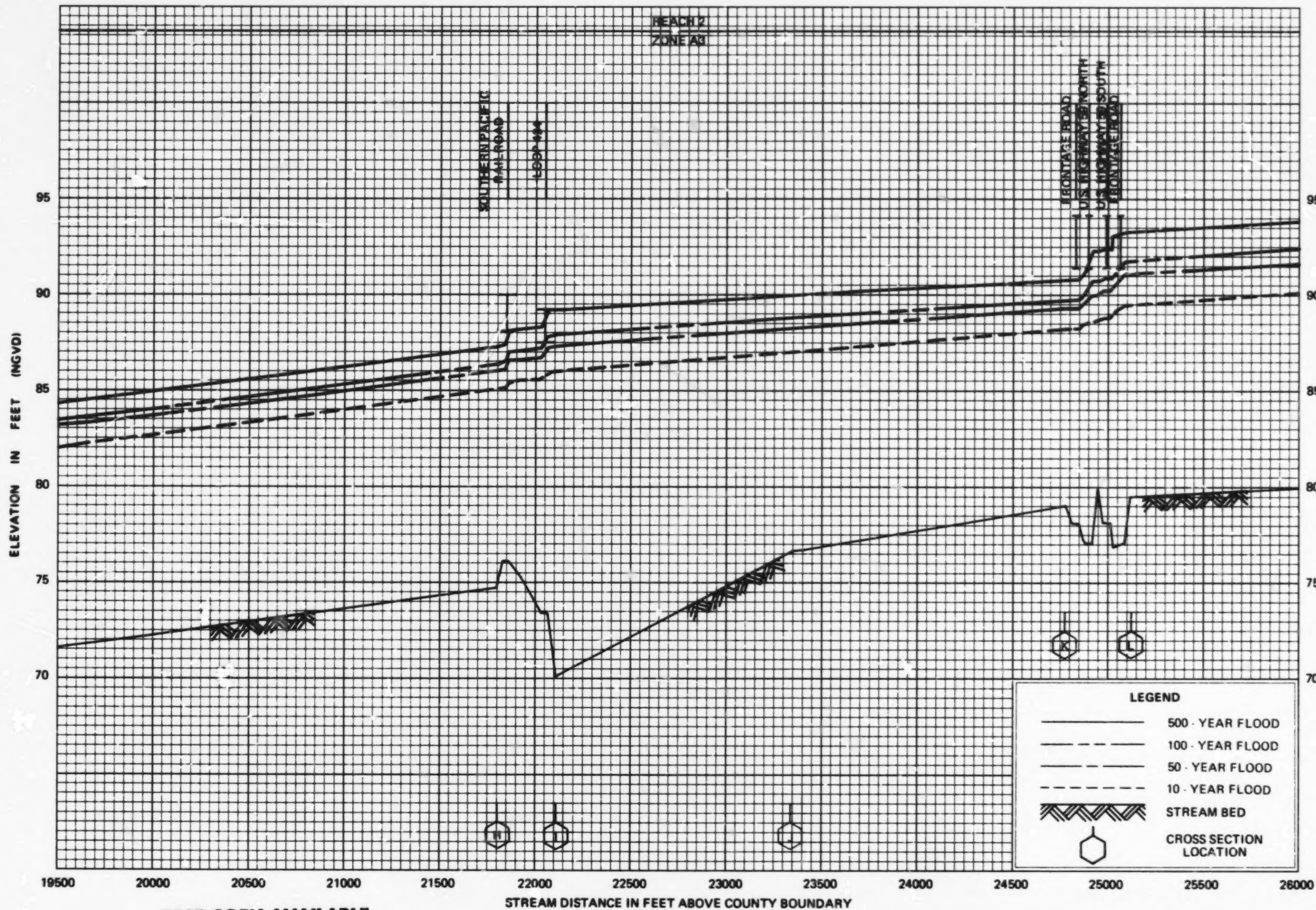


FLOOD PROFILES
WHITE OAK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

BEST COPY AVAILABLE

483P



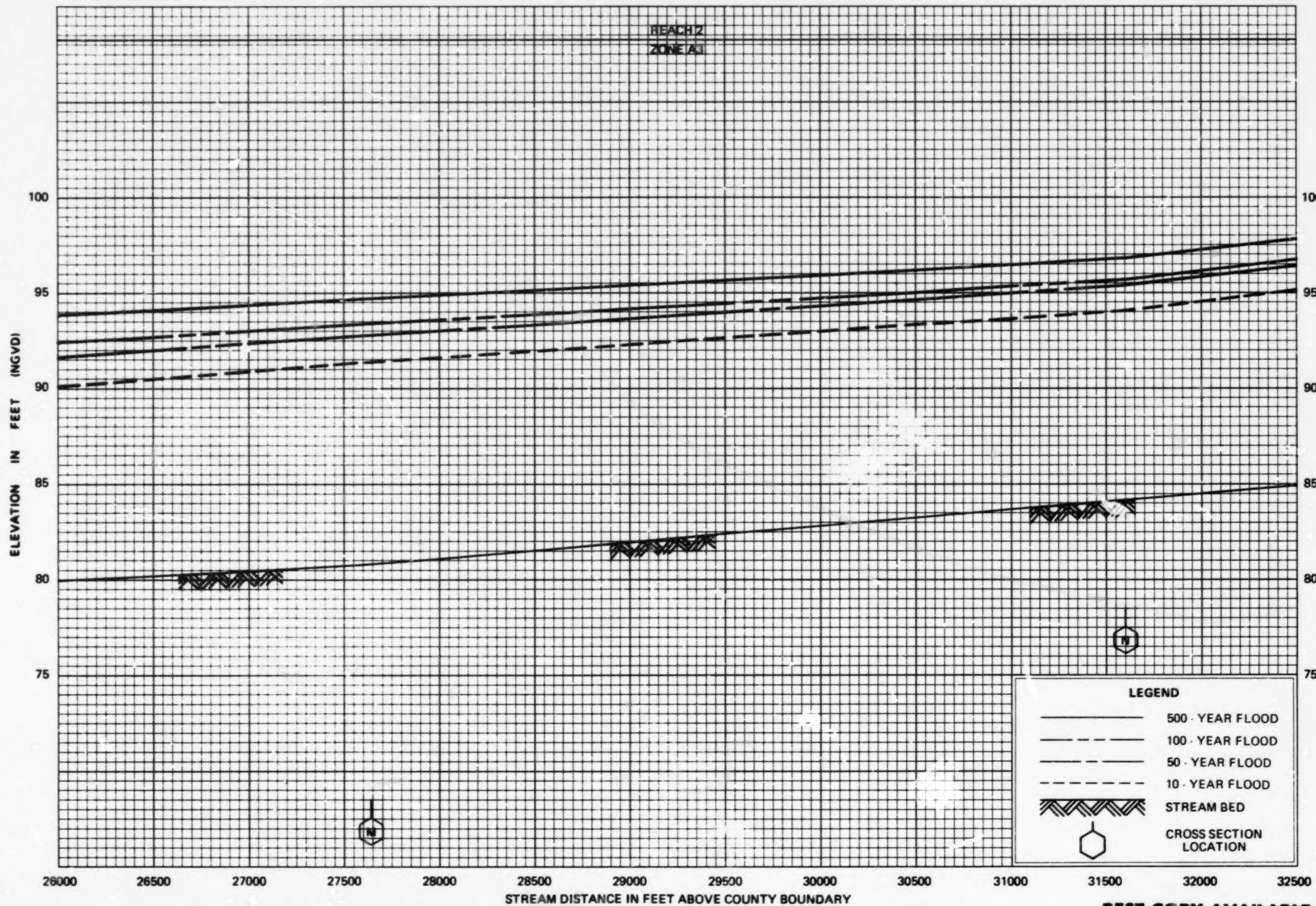
BEST COPY AVAILABLE

FLOOD PROFILES

WHITE OAK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

484P



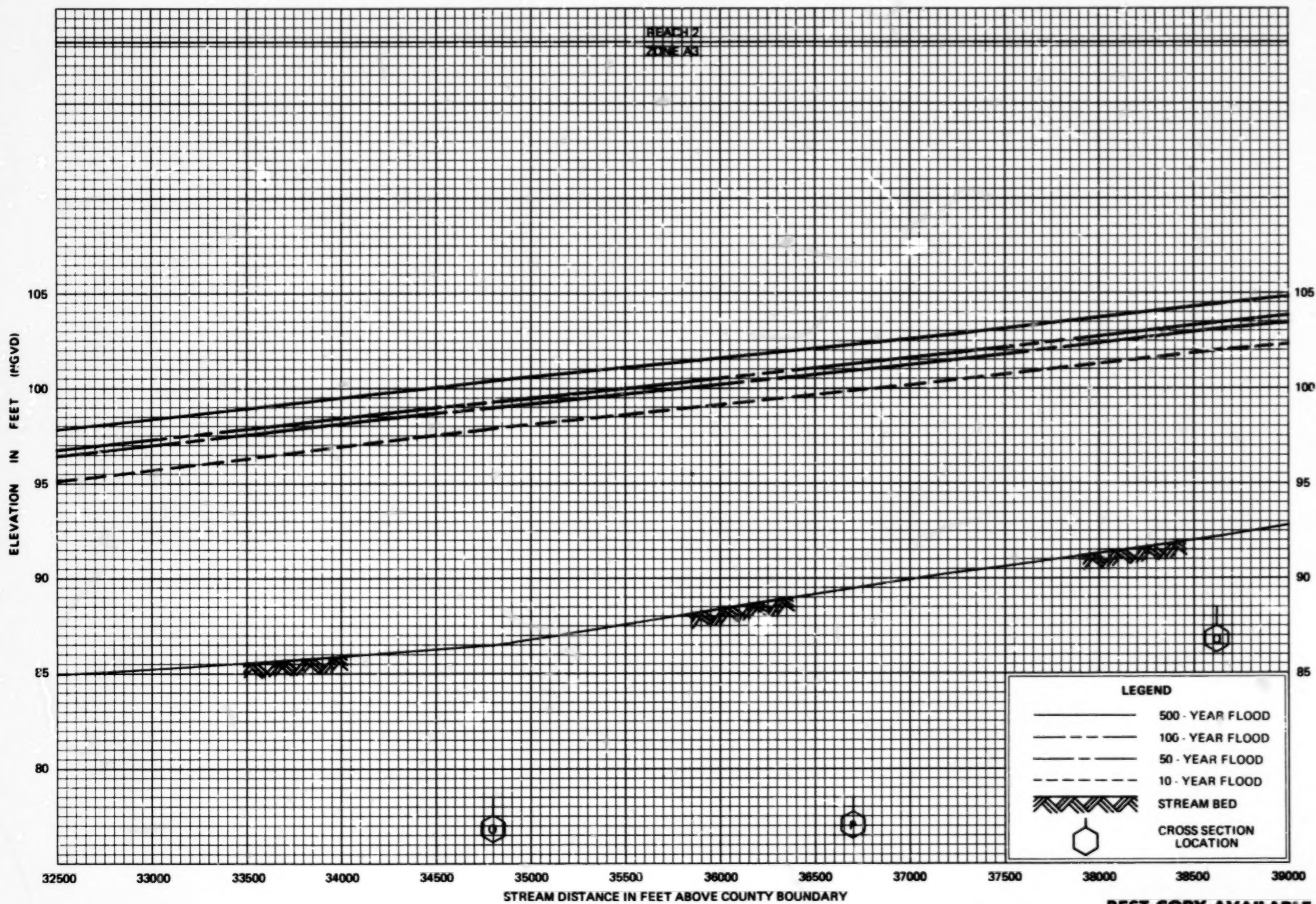
BEST COPY AVAILABLE

FLOOD PROFILES
WHITE OAK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

485P

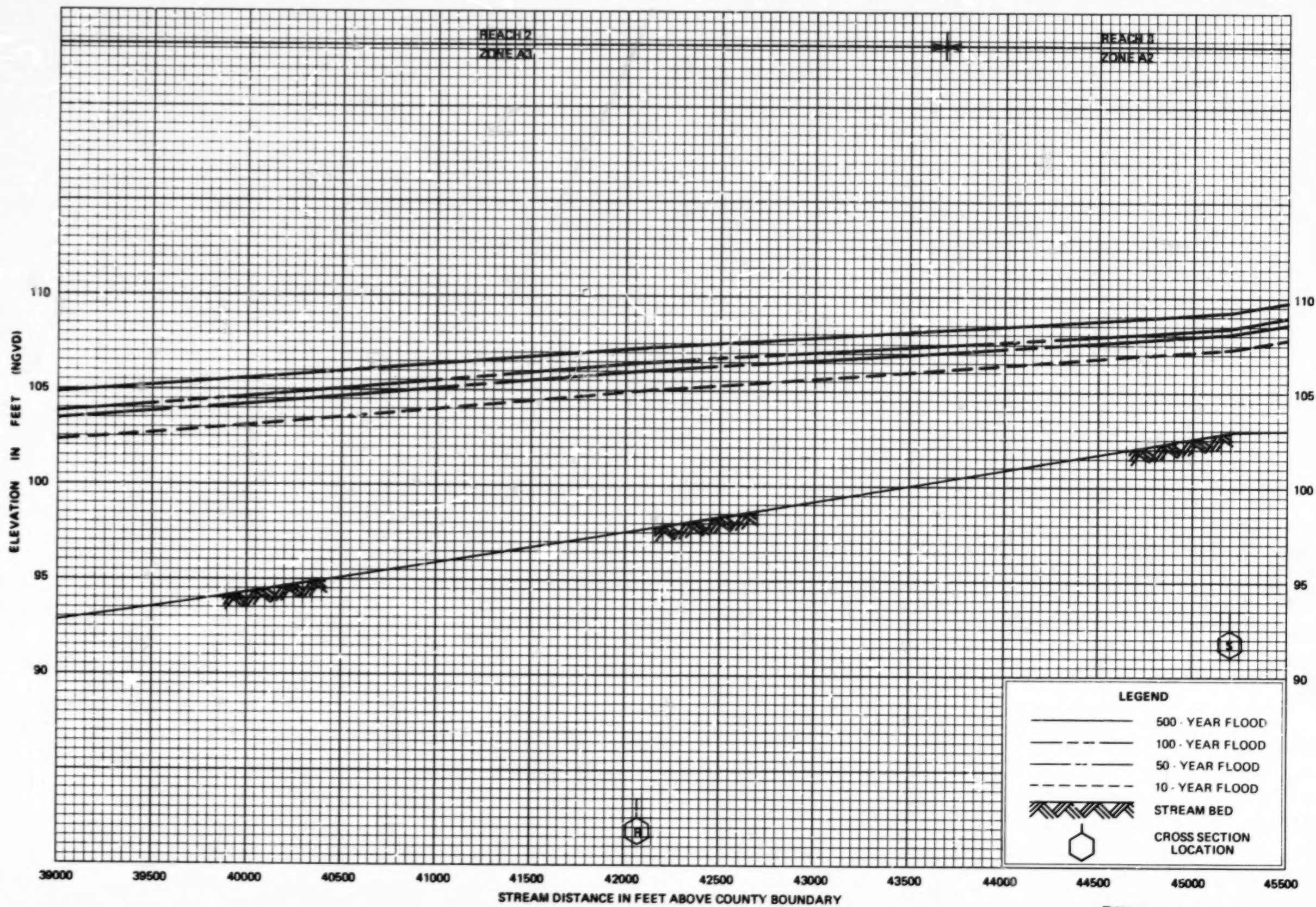
168



FLOOD PROFILES
WHITE OAK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

486P

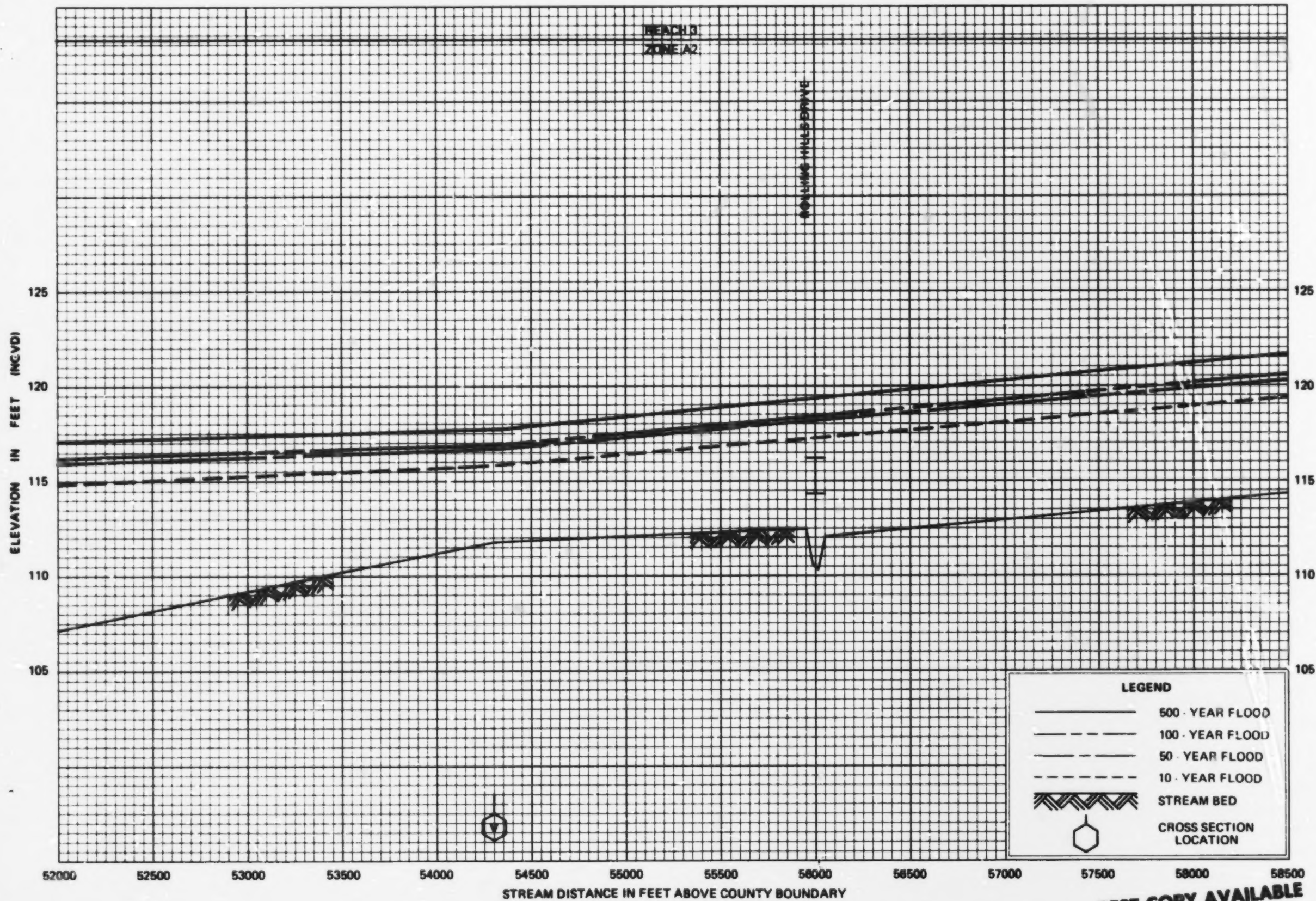


FLOOD PROFILES
WHITE OAK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

487P

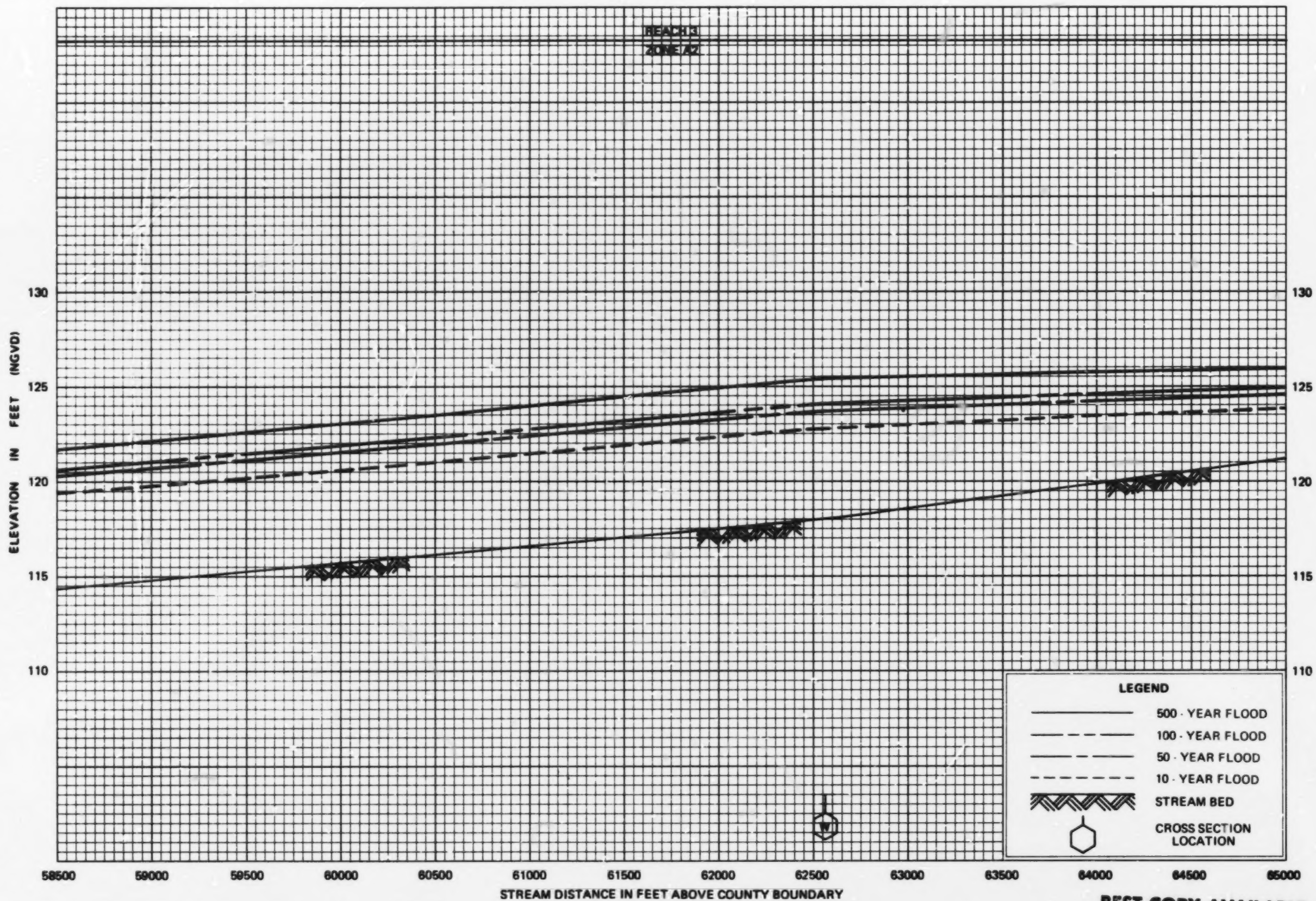
BEST COPY AVAILABLE



FLOOD PROFILES
WHITE OAK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

489P

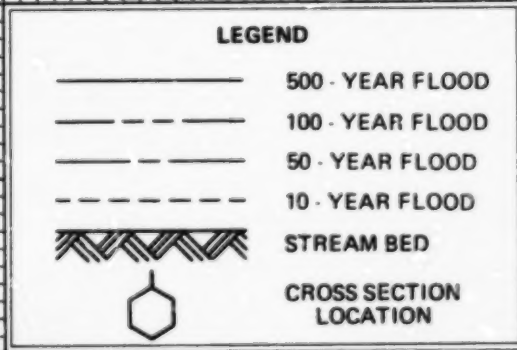
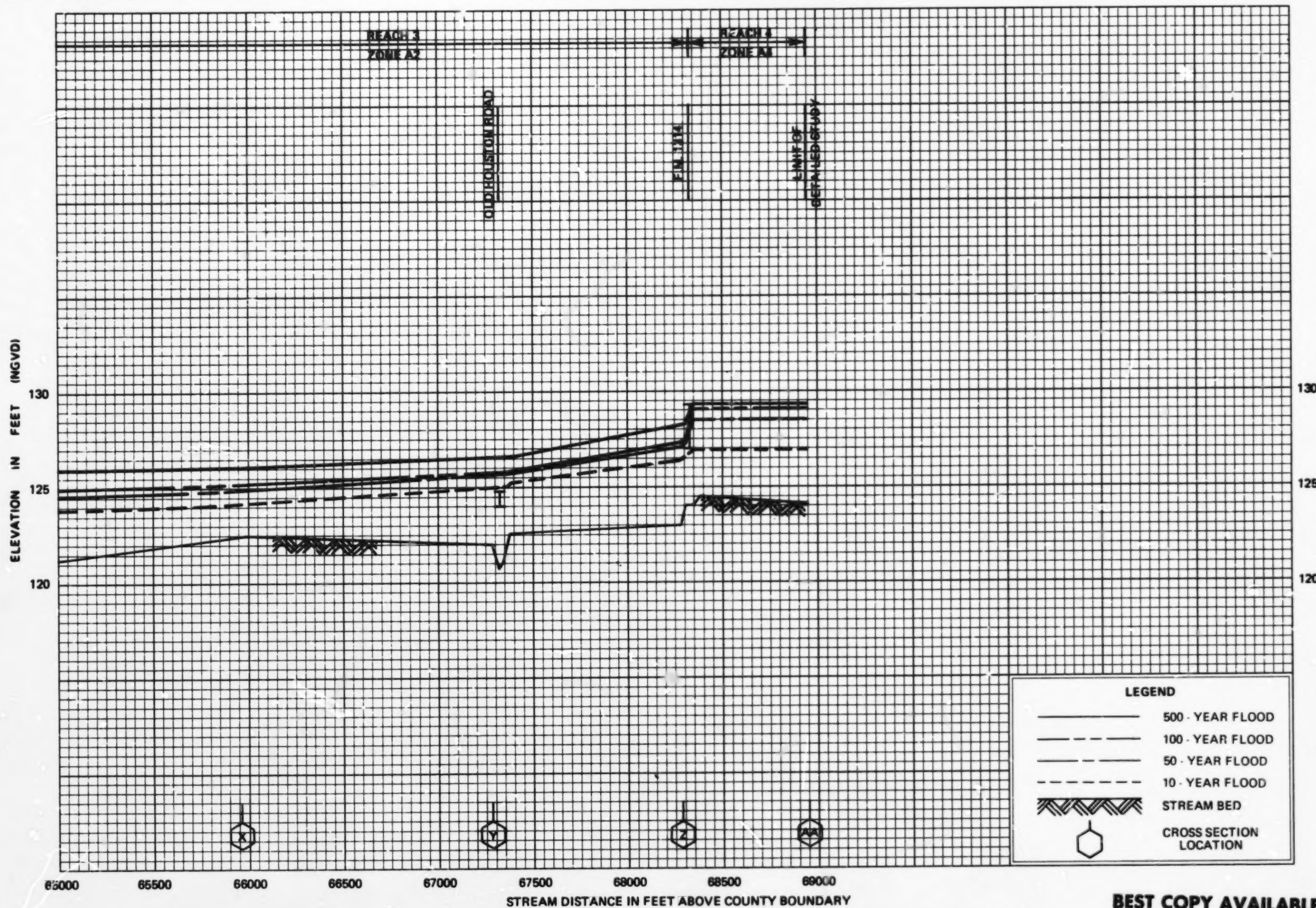


FLOOD PROFILES
WHITE OAK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

BEST COPY AVAILABLE

490P

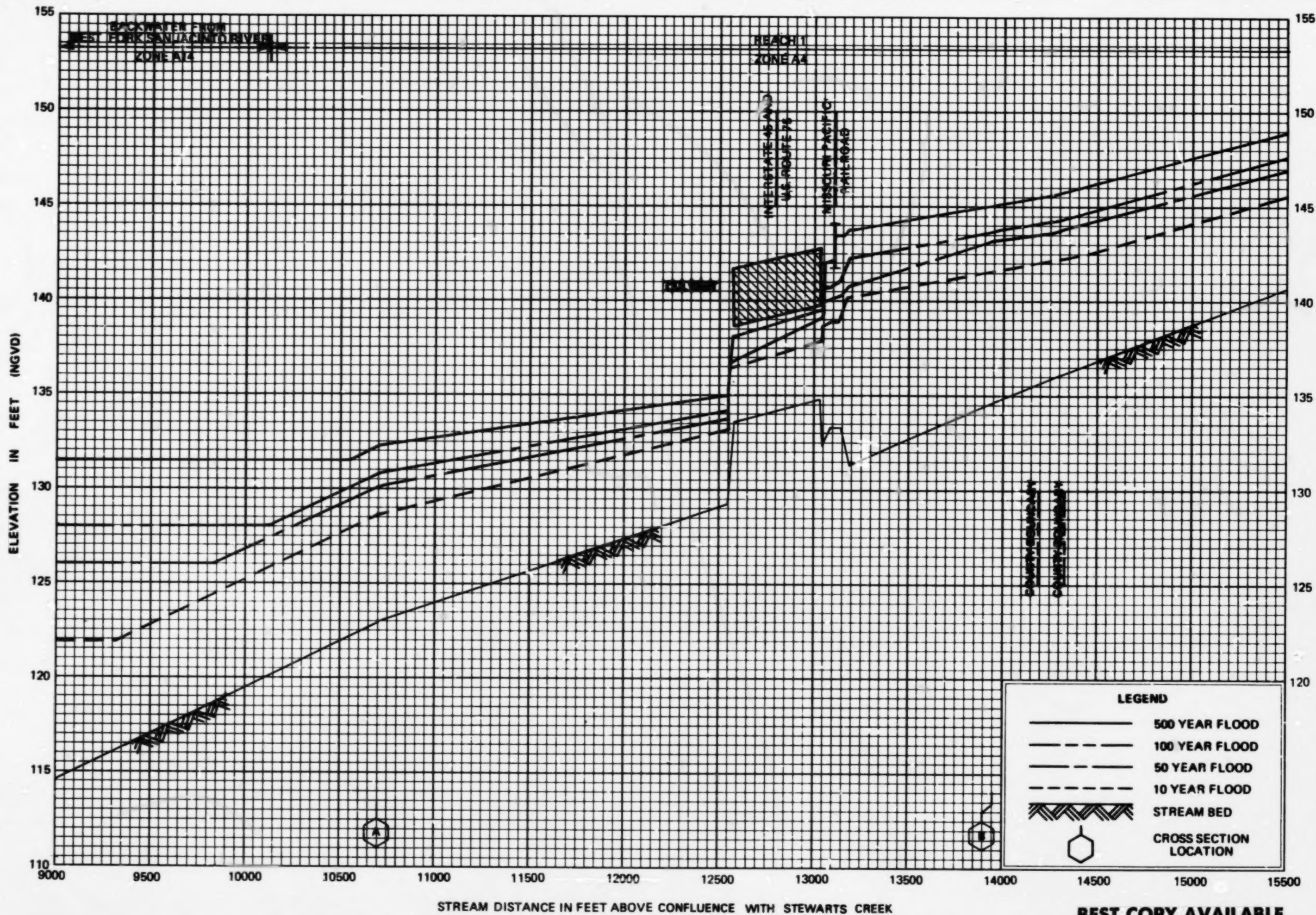


FLOOD PROFILES
WHITE OAK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

BEST COPY AVAILABLE

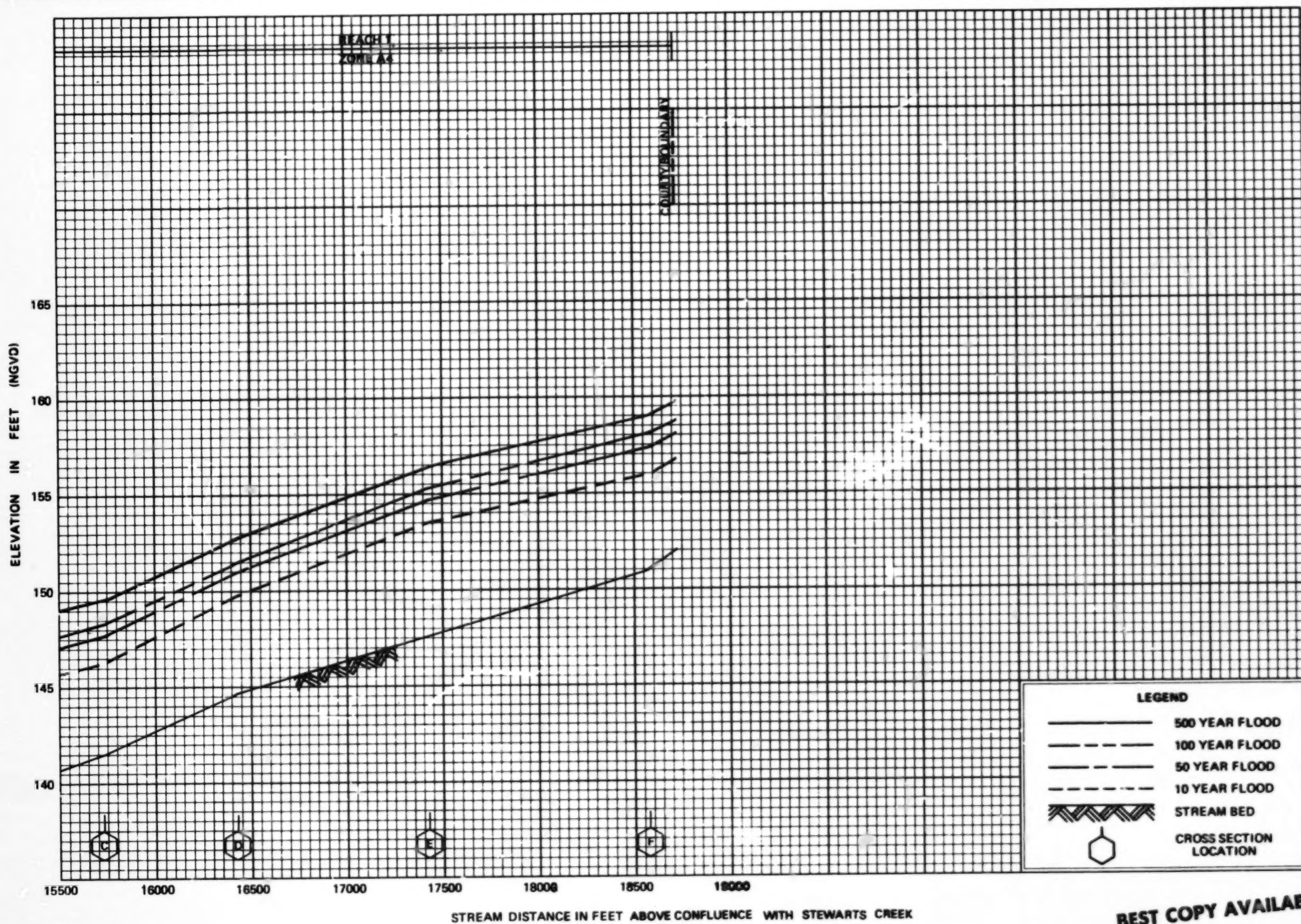
491P



FLOOD PROFILES
SILVERDALE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

492P

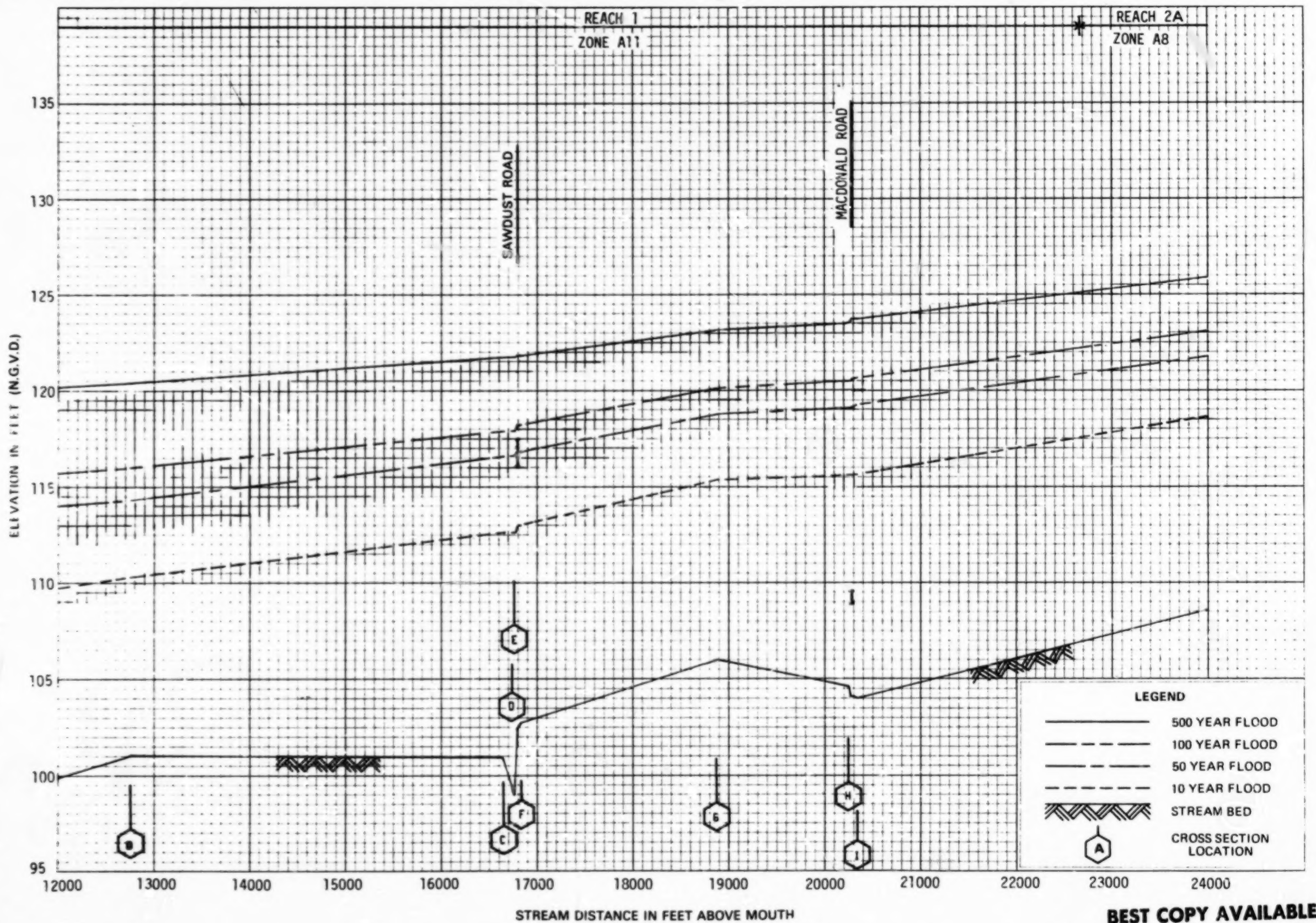


BEST COPY AVAILABLE

FLOOD PROFILES
SILVERDALE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

493P



BEST COPY AVAILABLE

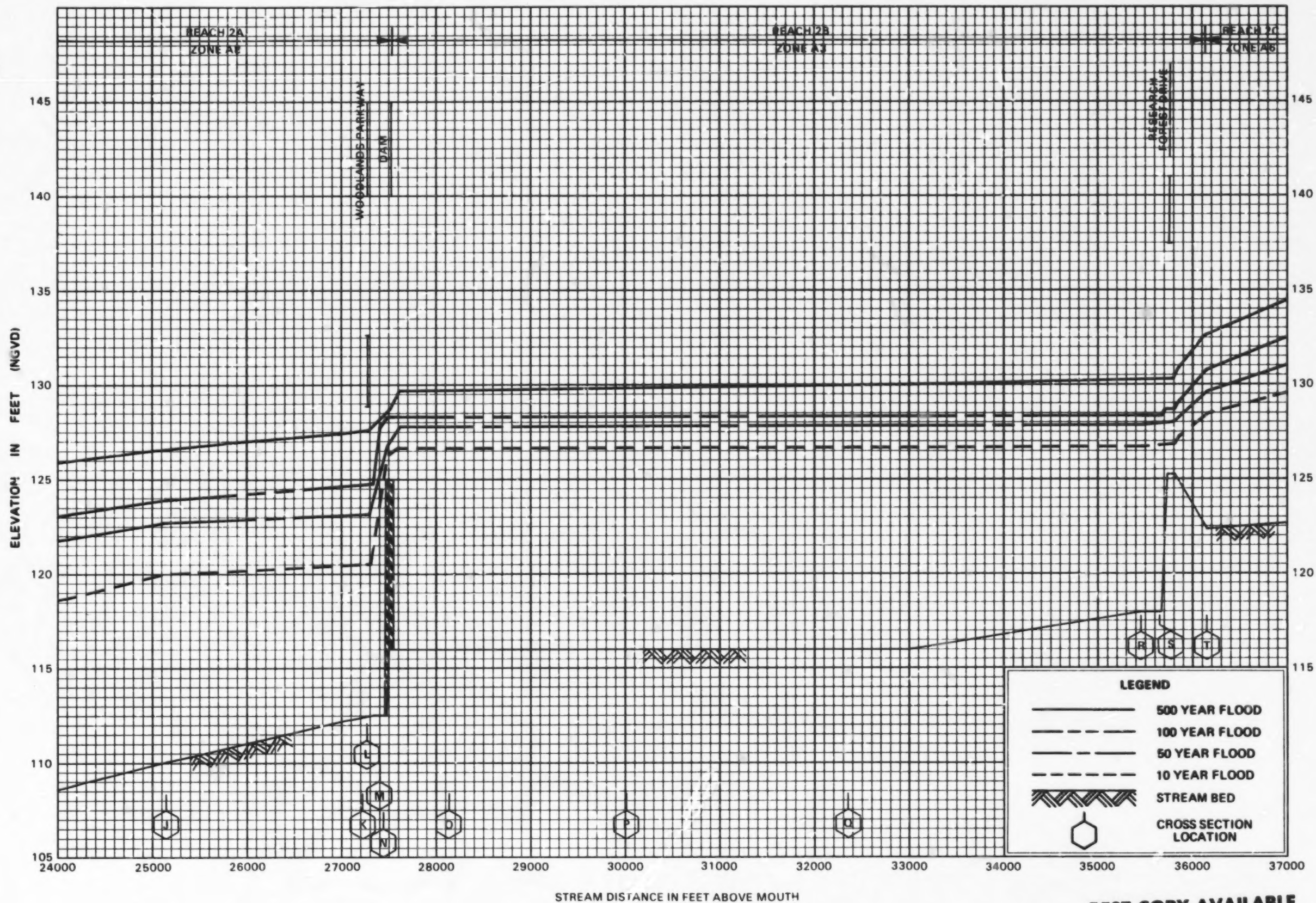
FLOOD PROFILES

PANTHER BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

494 P

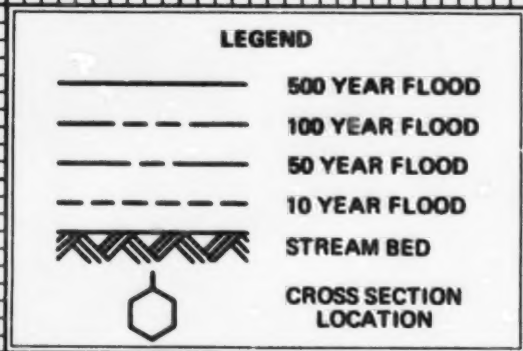
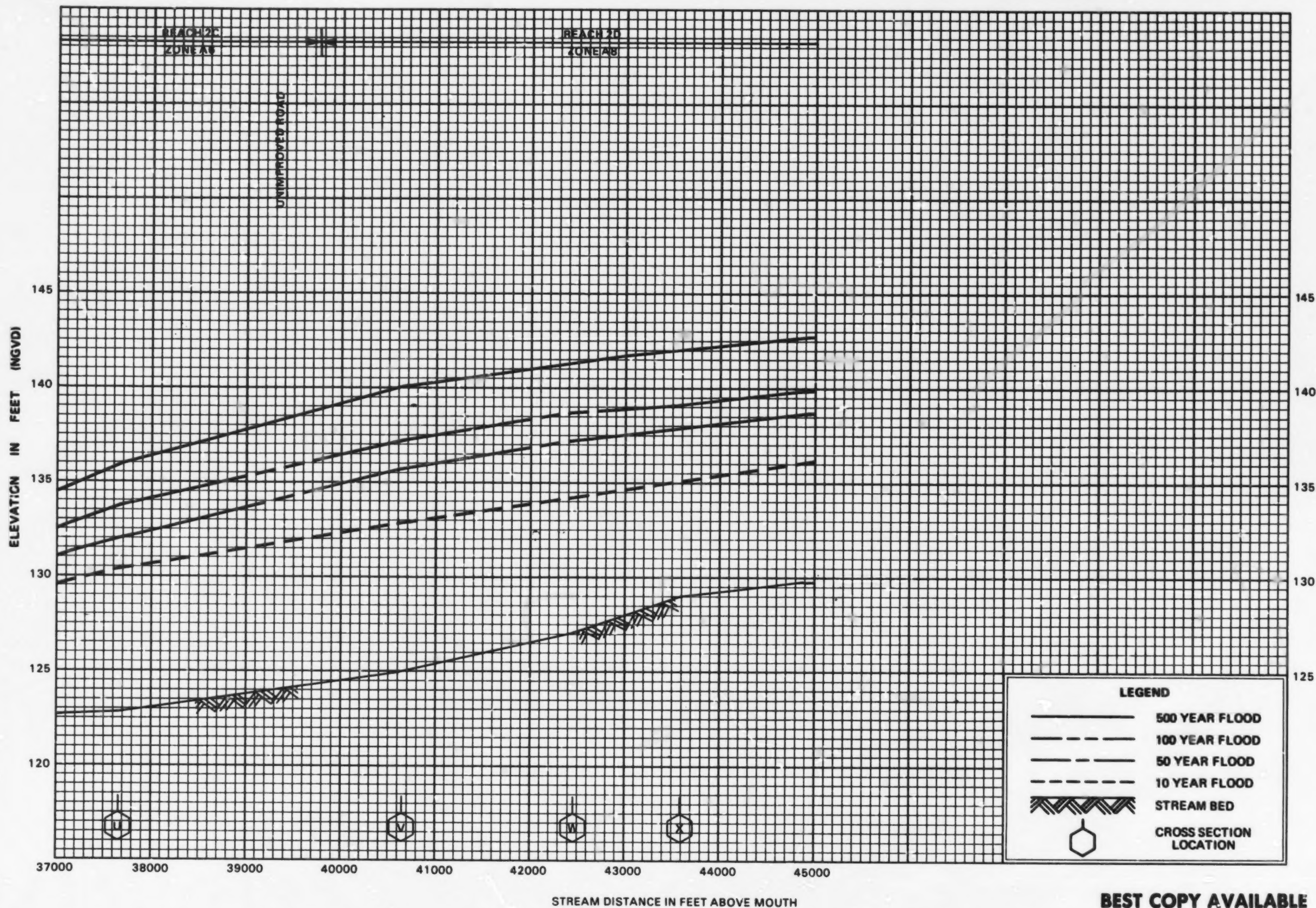


FLOOD PROFILES
PANTHER BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

BEST COPY AVAILABLE

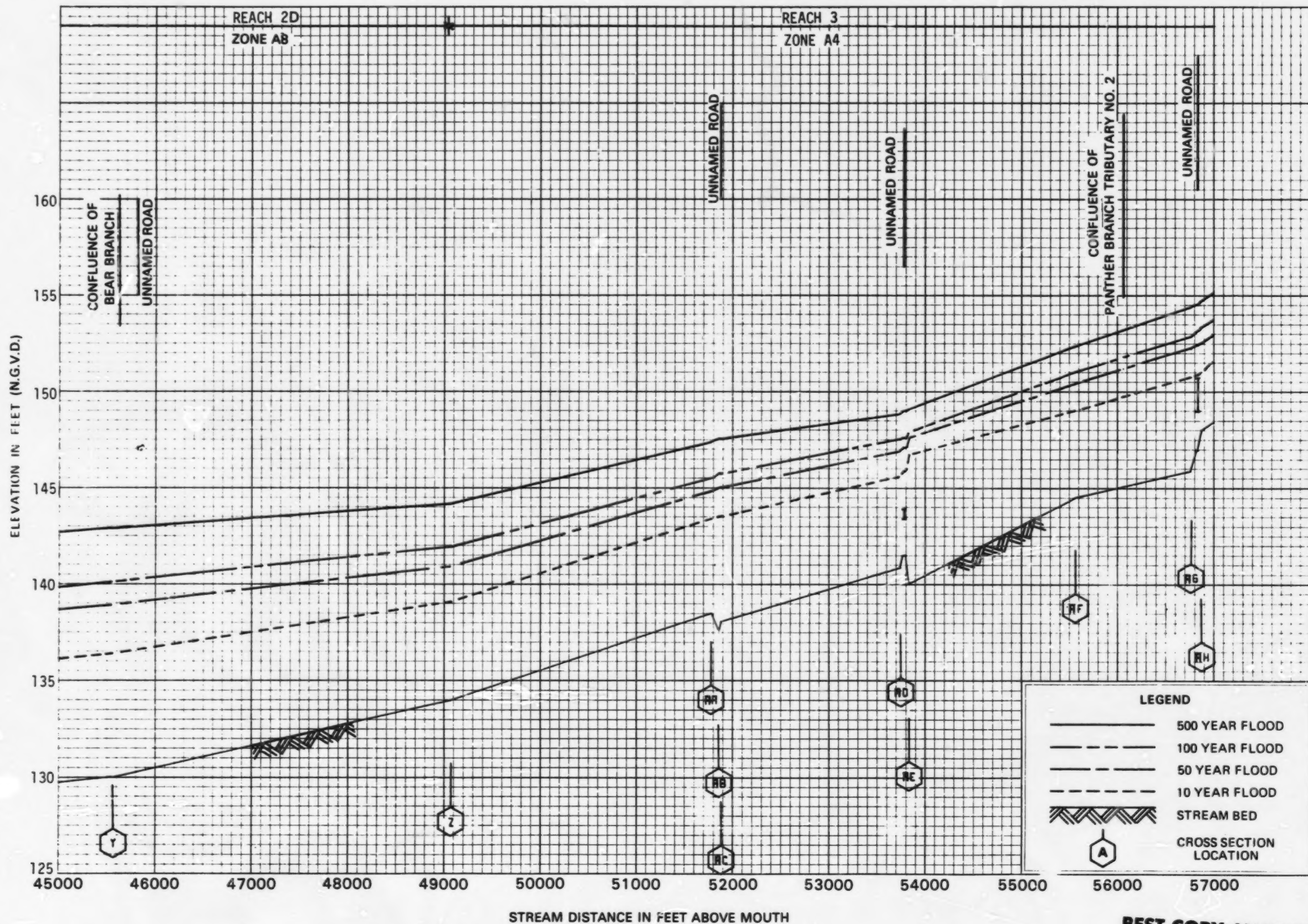
495 P



FLOOD PROFILES
PANTHER BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY
MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

BEST COPY AVAILABLE



BEST COPY AVAILABLE

FEDERAL EMERGENCY MANAGEMENT AGENCY

FLOOD PROFILES
PANTHER BRANCH

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

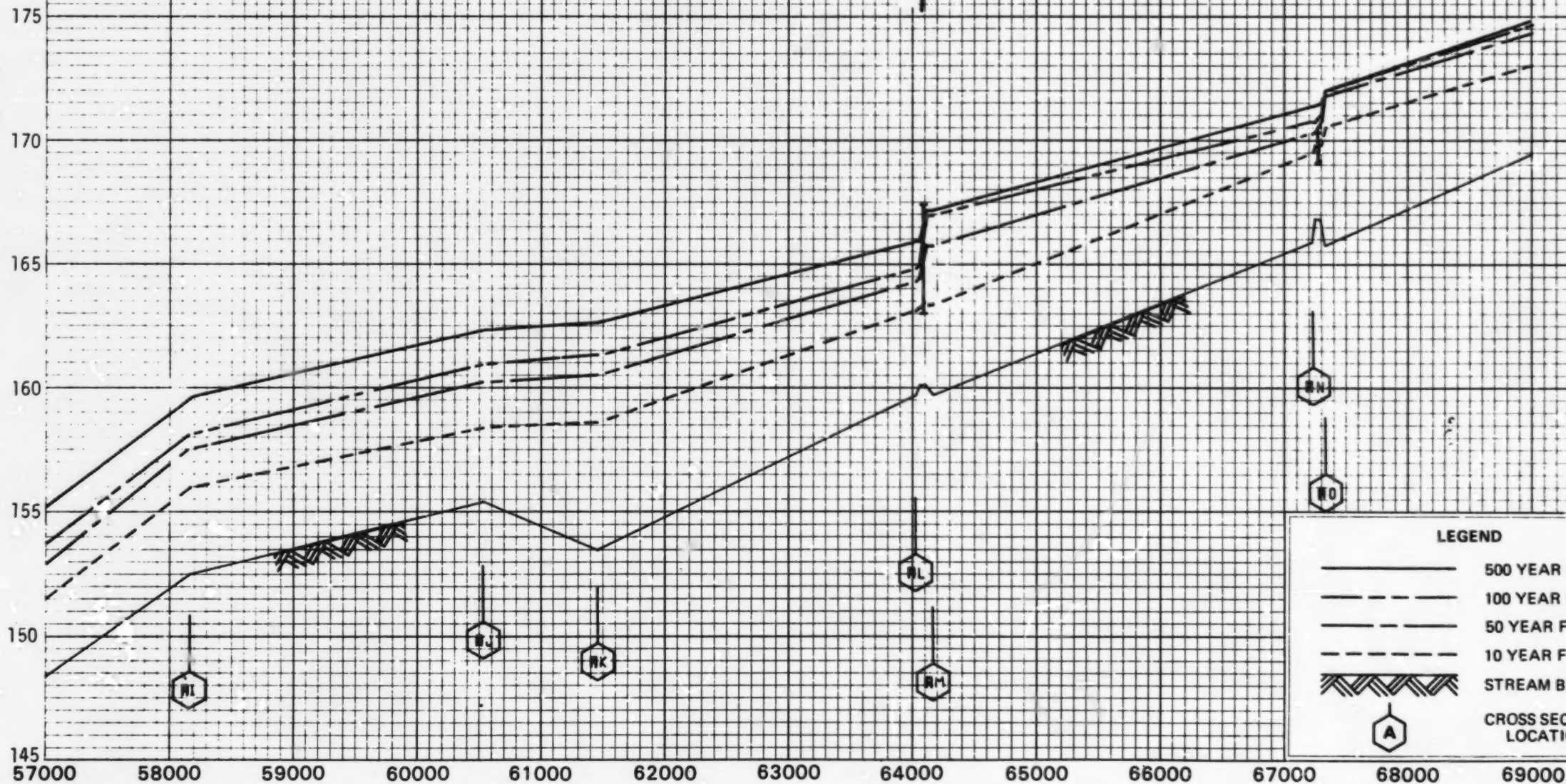
497 P

REACH 3
ZONE A4

FM 1488

HORSESHOE BEND

ELEVATION IN FEET (N.G.V.D.)



STREAM DISTANCE IN FEET ABOVE MOUTH

BEST COPY AVAILABLE

FEDERAL EMERGENCY MANAGEMENT AGENCY

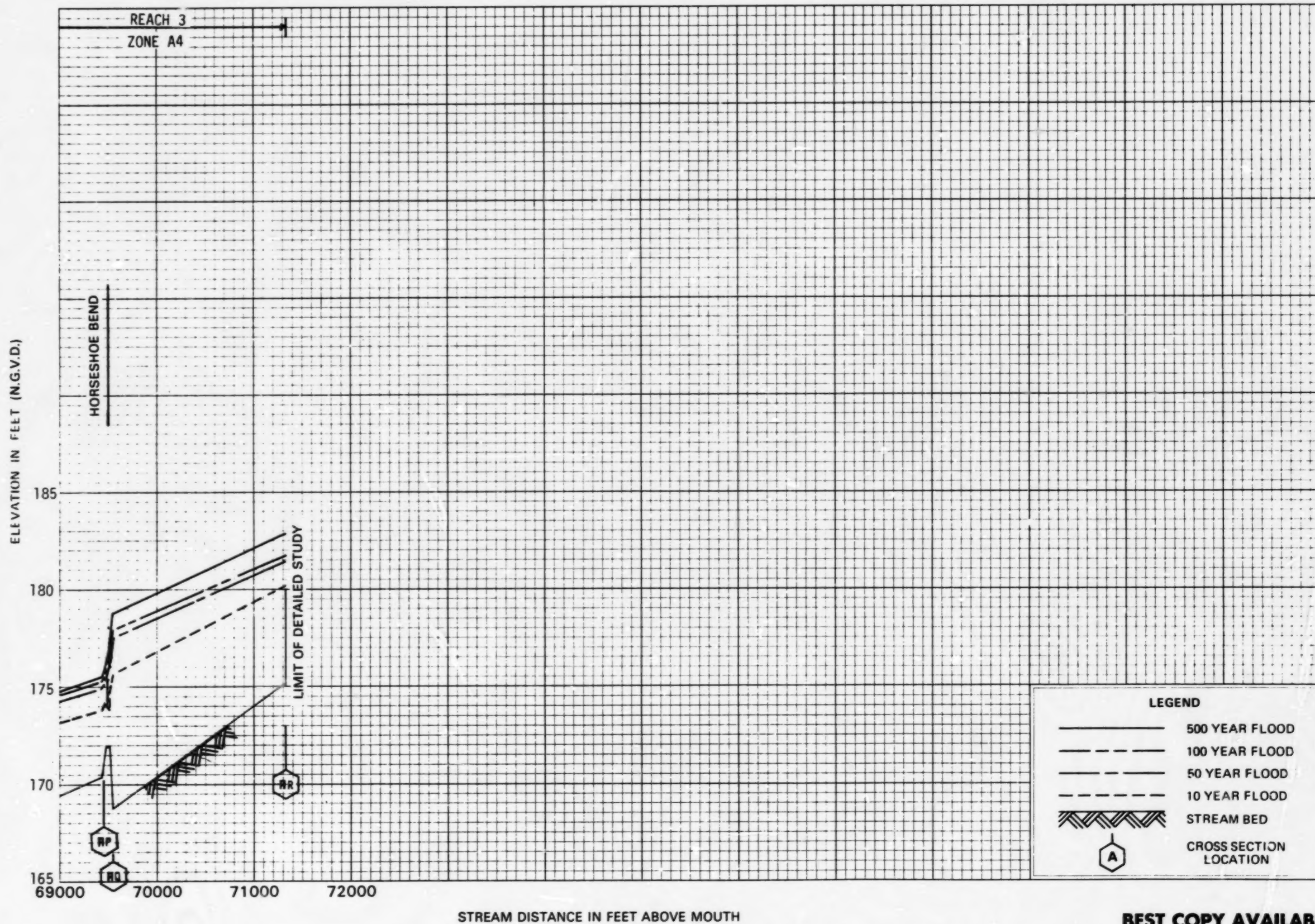
FLOOD PROFILES

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

PANTHER BRANCH

498 P

181



FLOOD PROFILES
PANTHER BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MONTGOMERY COUNTY, TX
(UNINCORPORATED AREAS)

499 P

BEST COPY AVAILABLE

182